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DIARY

OF
EXCURSIONS, CAPTURES OF
INSECTS, &c.,
(CHIEFLY HYMENOPTERA)
MADE BY A.W. STELFOX
From 1st January 1940 to 12th July 1941.

2

1940.

January. After a mild & wet November & Dec. January also opened mild, but gradually the temperature fell with much east wind, the [illegible] frosty nights & which [illegible] frost [illegible] which commenced in earnest which lasted without intermission till the 30th. During the spell everything froze & the thermometer at [illegible] where George is working on the pipe-line of the new Dublin water supply from the Liffey registered [illegible] on 7th Feb. some night.

After a few days the canals in Dublin were completely frozen to traffic, & the reservoirs in Glenasmole were [illegible] completely frozen, [illegible] in our yard froze solidly, as did the bath-pan & water in the [illegible] house. In England & some parts of Ireland snow fell, but Dublin escaped with a few sprinklings of dry powder. Following the commencement of the thaw on 30th the temperature gradually increased, but the ground under the surface remained [illegible]

[29th Jan. 1940. See note on p. 320, of previous volume of diary re Blue tit, [illegible] on the sill in house! A.H.S.]

31.1.40. See below! 3

remained frozen for nearly a week longer.

February. The first week of the month was, by comparison, warm & almost entirely [illegible] & [illegible] again [illegible] the heavy [illegible] "unprecedented rain". [illegible]

Our Snowdrops, under the drawing room window, which had come into bloom on 10th Dec., continued to come out up to & after the frost. Those in front of S.W. window of dining room & the first in back garden, as well as the first [illegible] along the wall of dining room came into flower on Sunday 4th Feb., a warm day with much sunshine, so that going to & from the [illegible] in afternoon, when on duty, I observed [illegible]. On same day (4th) George [illegible] saw a flower of Helleborus at Rathfarnham whose petals had just fallen & therefore it had been out a few days. On 31st Jan. [illegible] & I drove to Ballinteer & walked from [illegible] gate up the [illegible] to St [illegible] Church. [illegible] Hazel out, but no [illegible] flowers seen. On 29th Jan at 9 PM a [illegible] blossom [illegible]

7th Feb. A damp mild day. The frog was sitting in middle of the path near [illegible] at 9 P.M.

7/2/40, cont.
the first time seen since the frost & since 1st Dec. 39. He looked well & plump but very black in colour. [illegible] sitting on [illegible] [illegible] against [illegible] [illegible] well & in good bright [illegible] & spotted (1st [illegible] [illegible] [illegible] [illegible] [illegible] [illegible])

2 see note under date 21-4-40 → A.W.S.

Feb. continued. The remainder of the month very dry & cold, the slight frost [illegible] to very wet & mild with a few very mild days at the end, 26th & 27th being almost summer-like, 28th wet & cold all day with snow on the hills, 29th & 1st March dry & very keen strong E. wind. Frog again out on 24th Feb. Saxifraga oppositifolia [in] front garden (S. bed) with a few flowers open on 25th. Japanese Cherry next door to Westcliffe's house with a few flowers on 25th, also yellow, white & purple crocuses in Westcliffe front garden in full flower, one white crocus by path to front gate (the 'Blairville Rd.') in flower on

1940.

26th Feb. also, by a bird pink large-flowered [illegible] Sax. opp. in front garden (N. bed) also with 2 flowers open on Welsh plant in front garden also.

21st Feb. Almond in Kenilworth Square nearly out & trees in Earlsfort Terrace at same stage. Chionodoxa under drawing room window well in flower up but not open & yellow Sax. apiculata not yet open.

1st March 1940. Bright sun all day, but a very strong & keen E. wind. Salix [illegible] of [illegible] in back garden with a few catkins nearly in flower. Chionodoxa flowers not yet open in front garden.

2nd March. Purple crocus in front garden by path to gate up, but did not actually open till 3rd. Rain all morning after a frosty night.

3rd March. First flowers on Flowering Currant in back garden open. Chionodoxa flowers open. First flowers on Almond Trees in Earlsfort Terrace open.

4th – 10th March 1942. Days dull, with cold E. wind till 9th, then a drizzle set in which lasted all day, leaving in late afternoon; then very mild (warm) over weekend.
On 6th (Wed.) went to Greystones in afternoon to pay return call on Mr H. B. Preston & with him went on to Brennan's sandpit at Killincarrig, where the [illegible] (?) still have some fine — a very fine forenoon, but dull & cold in afternoon. Going back to Greystones he took me to see "The Cherry Orchard" at Killincarrig, still kept up by Mr Devereux & sold each spring. The main cherry garden made up mostly of very old trees, whose trunks have large swellings on them, due I think to the Cherry Aphid (   ), but the [illegible] don't seem to interfere with the bearing of the trees. These swellings might yield some interesting parasites & the place would pay watching in June. Saw a tremendous crop of Colt's foot in full flower at Bray station & in many fields near Greystones Harbour (instead of railway?) the willows well in flower

10th (Sunday) March 1942.
A fine day with some sun & slight drizzle in morning. In afternoon drove to Royal Canal at Leixlip station & walked across Rye Water Aqueduct, along tow path for a mile & through adjoining fields. Saw [illegible] in flower on [illegible], collected some knapweed heads along canal for Trypetid parasites, but noted nothing of interest. {From these flower heads of Centaurea nigra I had some c 277 of Bracon [illegible] emerge, up till 2nd June 1942.}
11th to 15th March: on leave (for five days). The 11th was a most perfect day with sun, [illegible] mild & warm, generally, on [illegible] after [illegible] rain [illegible] seemed to [illegible] growing. Almond trees all out, Chionodoxa in front garden coming up & with flowers in opening, Sax. apiculata in rock bed opened its flowers, Primula [illegible] (or [illegible]?) now well in flower, sedge in back garden ([illegible]) pushing up shoots through foliage, ♀ Salix cinerea catkins almost out & Salix [illegible] suddenly showing silvery buds. Frog & 3 ♀♀ Vespa (one certainly V. vulgaris) seen in back garden.
12th March. Dull, rain in afternoon & evening, cooler. Spent day putting up [illegible] [illegible] in drawing room.

6

14th March 1940. A fine day but very breezy, cold NNW wind.
In afternoon down to Glenasmole & walked up E. side of [illegible] and back along W. side of Upper Reservoir. Very cold wind. Snow on higher hills above 2000 ft.
A few willows out here & there, but only a very few. Saw no hymenoptera.

15th March 1940. Catkins on S. Salix caprea in back garden in flower (pollen showing) on this date & Honey Bee seen visiting them on 17th, which was very mild.

17th March 1940. Cloudy & warm day, with some sun in afternoon. [illegible] In afternoon down to [illegible], top of [illegible] & [illegible], walked back up [illegible] to [illegible].
Two hymenoptera seen.

17/3/40. Opius pallipes Wesmael.
Made a somewhat critical examination of the series of specimens placed under this name, as I knew that contained more than one species, some having short & some quite long terebra for instance; also I felt that some had been carelessly examined & were obviously not that species. Conclusions:–

Sp. 1. O. pallipes Wesm. 2 ♀♀ (Saggart, Co. Du. A.W.S. 29.9.35 & Tullyhogue, Co. T. A.W.S. 6.7.36 P.M.) seem to agree well with Thomson's description & have, respectively, 26 & 25 segmented antennae.
None of the others (12) in the series seem to be this species, though in Marshall's key most of them run easily to this species. They are as follows:–

Sp. 2. 10♂ 1♀, all with 26-seg. antennae, [illegible] the middle spec.! A.W.S. 3.1941 taken in same place (Saggart, Co. Du.) & on same date as the 1st ♀ pallipes (see above) run to this species in Marshall & ~~apparently~~ agree with one of Marshall's "varieties". They could also be said to agree fairly well with the Bracon orbiculator of Nees. These differ essentially from the above pallipes in the following ways:– (1) antennae reddish towards base of flagellum, (2) wings much narrower & shorter, smaller in

Specimens from Germany (R.S.K.) with 25–26 antennae (27 & 29 A.M.)

17.3.1940 cont. Opiliones (cont.).

every way, (3) radius not angled close to middle, with 2nd (transparent) intercostal but [illegible], & beyond the very summit to apex

4) base of abdomen)

partly rufous or fuscous

rufous, especially in ♀♀.

(5) legs pale & hind femora not slender.

Have labelled these "orbiculator [illegible]" ! A.W.S. 17.3.40.

= O. [illegible] sp. n. A.W.S. 24.3.1941.

Sp. 2 { also smaller [illegible] [illegible], WI. 4.9.38. AWS. 1940.

1♀, [illegible], WX. G.H.C. [illegible] 29.7.27.

Somewhat like sp. 3, with 27-seg. ant., base of antennae similarly pale (reddish), small size, stigma small & pale, radius angled at intersection of 2nd intercostal, [illegible] abdominal segment black, [illegible], tarsi & femora [illegible] 2nd [illegible] [illegible] rufo-piceous, all femora short & very stout, but [illegible] to being same & it cannot be [illegible], [illegible] labelled "Sp. 2 17.3.40." A.W.S. = fumosalis mihi AWS 10.3.1941.

Sp. 4. 1♂, 1♀, Tullyglass, LE. ENS. 24.6.36 (2)

1♀. Killurin, WX. AWS. 22.7.37.

1♀. Ballinn, WI. AWS. 11 & 21.9.37.

1♂. Tullaghan, LE. AWS. 3.5.38, 9 P.M.

17.3.1940 cont. Opiliones notes cont.

Sp. 4 cont.). All these, 2♂♂ & 3♀♀, are very close to "Sp. 2", ♀♀, but the ♀♀ have the [illegible] apparently longer, [illegible] the abdomen, & all have radius angled at intersection of 2nd transverse [illegible] & not so [illegible] beyond. The pale (at base) antennae are [illegible] the [illegible] [illegible].

Labelled "Sp. 4 17.3.40." AWS.

Sp. 5. 1♀, Powerscourt, WI. A.W.S. 4.10.22, previously mounted flat, face down, so [illegible] to [illegible] the "[illegible]". Now remounted & now the [illegible] is [illegible] but [illegible] 27-seg ant. [illegible] [illegible] [illegible] tentatively as a small ♀ [illegible]! AWS. 18.3.40.

Sp. 6. 1♂, Killoughter, WI. A.W.S. 3.9.33.

This is [illegible] [illegible] [illegible], [illegible] [illegible], 28 seg ant., [illegible] closed [illegible] & no trace of [illegible] [illegible]. In Marshall's key it runs to [illegible] or [illegible], both of which are [illegible] [illegible]. The legs are [illegible] [illegible]. [illegible] [illegible], [illegible] & [illegible], at least [illegible] long.

Labelled "Sp. no. 6. 18.3.1940." AWS.

= flavinervis mihi 10.3.41.

17.3.1940, cont. Opening up [illegible] cont.

Sp. no. 7. 1 small ♀, [illegible], N.K. A.H.S. 18.7.33.
Ovipositor misplaced, and mouth is open. Transferred to insitabilis with a ?, as antennae are segmented.
A.H.S. 18.3.1940. [illegible] completion. A.H.S. 8.4.1941
Type of O.P. [illegible] A.H.S. 23/3/1941.

Sp. no. 8 1♀ (under insitabilis?), but ovipositor misplaced
Stages 21.7.33.
there as mouth closed & antennae not segmented, &c.
Very like pellipes, but basal segment of flagellum short, stout & very hairy; i.e. much more so than in specimens referred to pellipes (Sp. 1 ♀ [illegible]) on p. 9 ante. A.H.S. 18.3.1940. Perhaps [illegible] A.H.S. 18.3.40.
[illegible] A.H.S. 26.3.41.

Sp. no. 9. Formerly [illegible] as [illegible]: remounted on side.
1♂, [illegible] Glen, W., A.H.S. 26.10.1930.
Very like the ♀♀ of [illegible] pellipes, but antennae 29-seg. reddish at base, very long, [illegible] at least. Wings large (as in pellipes), [illegible] further [illegible], abdomen paler & above all the post-petiole nearly smooth, with little [illegible]. Therefore [illegible] near pellipes & labelled Sp. 9. 18/3/1940.
19.3.1940. A.H.S. Stenamma [illegible]
[illegible] A.H.S. 26/3/41.

22nd March 1940 (Good Friday)
Spent morning [illegible], [illegible], considerable [illegible]. About noon saw one Bumble Bee in garden ([illegible] Rd.), not identified but probably Bombus lucorum. Various ferns, including Osmunda & [illegible], showing first sprouting fronds.
In afternoon, which was cold & inclined to drizzle, drove to Furry Glen & later on the [illegible] Park N.E. of Castleknock: willows coming out, blackthorn nearly in bloom, hawthorn mostly in leaf, some Horse Chestnuts just bursting into leaf.

24th March 1940. The Glenade plant of Sax. oppositifolia flowered for the first time & proves to be unique in my experience being the large campanulate flowers of the big [illegible] form, but these not rich purple as in the [illegible], very pale pink-magenta, even paler than the small flowered form, although in leaf I felt sure it would have small flowers.
There are then 3 forms in Ireland, at any rate:—
(1) [illegible], pale small, stellate, pale flowers.
(2) [illegible], rich purple, large, campanulate flowers.
(3) Glenade, very pale, large, campanulate, flowers.

24th March 1940 (contd.)
Westropp reported seeing a Peacock Butterfly in garden at Clonskeagh. He was on duty in Art Museum.

25th March 1940 George reported seeing a Peacock Butterfly at Ballymore Eustace, Co. KD.

27th March 1940. Frog in back garden found dying by Daisy in evening. It is just possible that it may have got scorched by bonfire the previous evening about 10 yards from place where it died, but no real evidence. It was now at least 4 & possibly 5 years of age. See note under 21.4.40 →

31st March 1940. Morning dull, with slight drizzle at times, very strong SW wind, almost a gale. Mild with some sun in Dublin about midday. In afternoon drove to Bishopscourt House, near Blackchurch, Co. Kildare & had a walk there. Heard one or two Chiffchaffs.

3rd April 1940. A fine day, with much hot sun, a few showers in morning, & a very strong SW-W wind.
In afternoon drove, with C.B. Moffat & D.M. Gibson, to Glenasmole, Co. Dub. & spent several hours in the woods on E. side of lower reservoir.
Some Sallows in catkin, many over & some just putting out leaves, Blackthorn in flower, Marsh Marigold, Wood Anemone & Wood Sorrel also.
Bumble bees about a dozen seen.
B. lapidarius 1♀ noted in willow glade.
Andrena apicata ♂♂ frequent, 1♀ seen to return covered with pollen, in 3rd coomb; another ♀ taken on Salix ♀ in willow glade.
A. gwynana ♂♂ in 2nd & 3rd coombs
A. apicata ♀ ♂♂.

Nomada leucophthalma ♀ taken, several seen in 2nd & 3rd coombs.

Photo 1. snapshot under trees between Reservoir house & footbridge = Glenasmole
No Butterflies seen: too windy!
Chiffchaffs numerous, no other migrants seen.

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3.4.40 cont.

Garden, 11 Clareville Rd., Dub.

First Red Saxifrage in flower in front garden (& not the muscoides form).

Draba hirta also in flower for several days in the rock.

Flower spikes of Carex striata well up on this date & Andromeda buds very fresh & almost out in back garden.

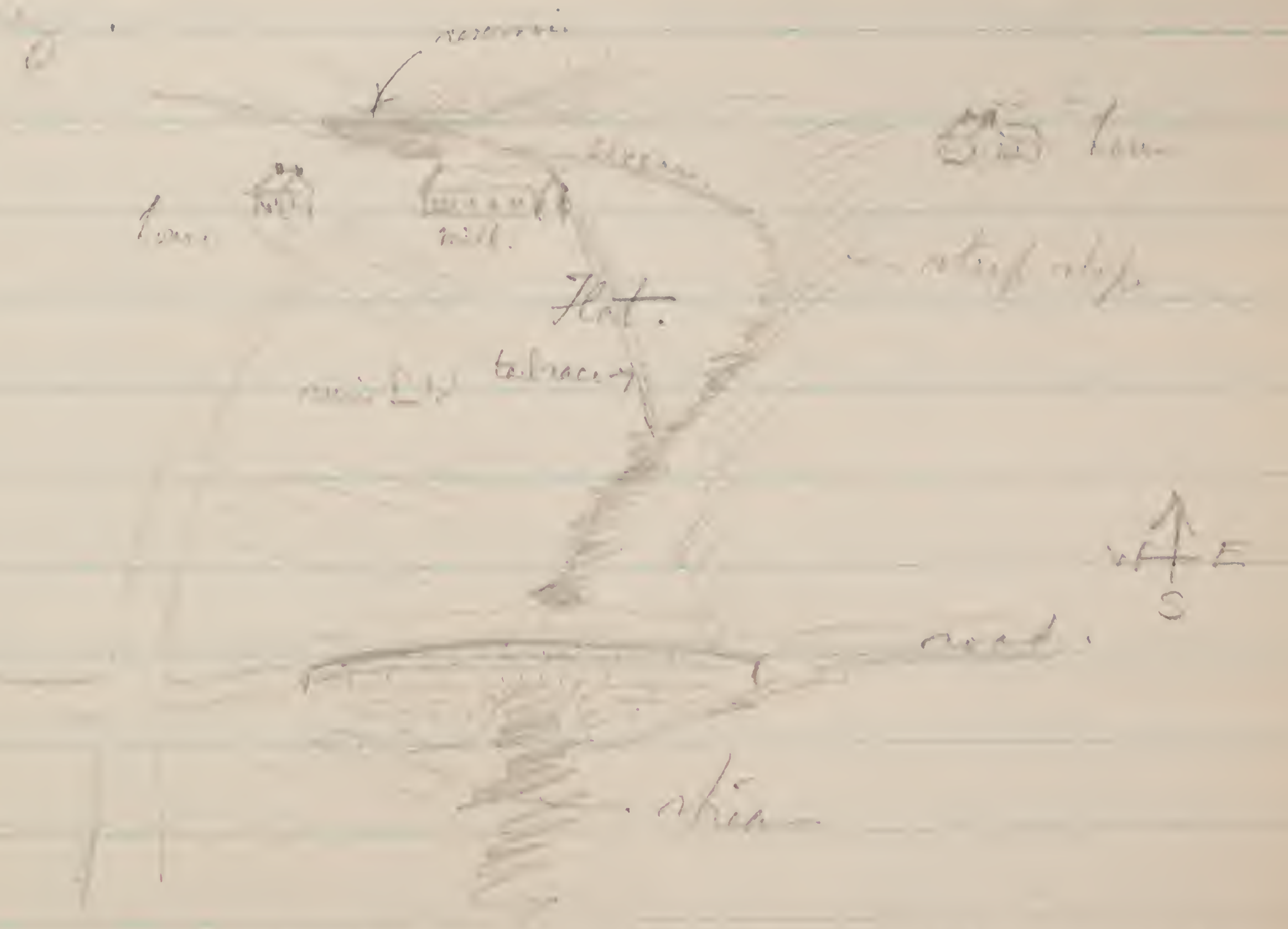
7th April 1940. A fine day with showers & strong N.W.-N wind.

Was driven by G.F. Mitchell, with R.Ll. Praeger, D. Pennington & A.M. Gregson to see the celebrated site where the teeth & bones of a mammoth were discovered when digging for the foundations of a water mill in 1715 (?) as reported in Boate's Nat. Hist. of Ireland. The spot is on Mr Andrews' land at Drummurcher, Co. Monaghan, just a little N. of the Cavan–Monaghan boundary & on the same stream which lower down forms the actual

17

7.4.40 cont.

boundary.



Above is a rough sketch of the site at Drummurcher. The mammoth remains were probably found at N.E. corner of the mill, where the tail-race comes round from the wheel, which stood on behind the mill. In the flat, on both E & W sides of the tail-race Mitchell has found the same section as described by Nevill (?) in Boate's Nat. Hist., i.e. under 2-3 ft of alluvial sandy loam is a peat bed, full of hazel nuts, about a foot in thickness & under this a bluish-grey marly clay (on which the mammoth teeth, &c, were supposed to be found lying) which has yielded remains

7.4.40 cont. Drummucker, Co. MO, cont. of an arctic flora including Salix herbacea, Betula nana, Arenaria ciliata & Armeria (Sea Pink), while the country's peat contains a more or less modern flora. It is hoped to investigate the site during the coming June.

On return journey we went via Drogheda, Ardee, Carrickmacross, Shercock & Cootehill & returned via Stradone, Virginia, Kells & Navan, seeing much nice country, but everything very backward compared to Dublin. Mitchell reported Willow Warbler (we had lunch near Cootehill) & we saw Swallows & Sand Martins at Navan by the Boyne, as well as Chiffchaffs in several places. Did not see any insects all day, as wind & showers kept them safely hidden. Willows everywhere just about at their best & many nice looking snipe-marshes passed during the day, but very little native timber or scrub seen.

10th April 1940. A most perfect spring day, nearly all sunny, but with keen E. wind.

In afternoon went to Glenasmole, Co. Dub. & spent a couple of hours in the "willow glade" (north) & the "3rd corral" on E. side of lower reservoir. Sun very hot in shelter but air too dry for most insects. With C.W. Allen.

Glenasmole, Dub. 3.0 till 5.0 p.m.

Peacock & Tortoiseshell butterflies; several Green-veined White butterfly.

Bombus lucorum ♀♀ frequent
B. jonellus several
B. agrorum; several reported by Allen.
B. muscorum 1 ♀ found on a willow on upper dam.
B. lapidarius also seen, possibly same specimen.
Psithyrus distinctus 1 found, running along in willow glade.
Andrena clarkella ♂♂ & a few ♀♀
A. apicata a few ♂♂ (2 ♀♀ reported by Allen)
[A. pygmaea: not seen?]
Nomada leucophthalma ♂♂ & ♀♀, frequent.
Salius fuscus ♂♂ & ♀♀.
Myrmica ruginodis & Formica fusca both out running in sun.

20/ 10.4.40, contd.
Glenasmole, Dbn. contd.

Dolerus nigratus ♂ taken by [illegible] below larches at S side of 3rd covert.
Amauronematus viduatus ♀ — very brightly coloured. — flew onto trunk of Salix aurita which was not now showing flowers & was captured on trunk, on flat at N.E. corner of 3rd covert.
[No bees or Pompilids seen or swept.]

Willow Warbler frequent & Kennedy told me it was heard in Mr. Joyce's field on Sunday 31st March.

Several small beetles taken flying to Salix aurita but & one small Staph. I found 4 mites running about on under side of leaves, among the cocoons —

Green-veined White Butterfly seen in 3rd covert see p.19!

11th April 1940. First flower of Ranunculus auricomus opened in back garden.

12th April 1940. a ♂ ich. ([illegible] [illegible]) taken by [illegible] in front porch, 14 Clareville Rd., Dublin.

21.

14th April 1940. Very blustery day with considerable sun & no rain till after 6 P.M. Cool.
In afternoon drove to foot of the Glen of the Downs, left car at Drummin House & walked along screes S. of same towards Kilmacanoge, where was marsh at foot of old glacial channel full of M. [illegible] [illegible]. Did a little sweeping along lane & sheltered corner of marsh but too windy for insects & very little seen.

Drummin, Glen of the Downs, Co. Wl. 3.30–4.30 pm.

Bombus lucorum & agrorum 1♀ each seen.
Andrena marginata? [illegible] on dandelion flowers in sand
Vespa 1♀ seen in lane, which looked like austriaca but may have been rufa.
Canidia? ♂, black
Nomada 1♀ = [illegible] [illegible]
[illegible] [illegible] 1♂, [illegible] [illegible]
Rubus?

14/4/40. Saw my first ♀ Bombus terrestris in garden, 14 Clareville Rd, Dublin, at 12 noon.

17th April 1940. After a fine cold bright morning, the afternoon was mainly dull with slight showers of snow & hail. Snow on high hills after 2 cold & showery days in succession.

In afternoon drove to Glenasmole & spent a couple of hours about N.E. corner of upper reservoir & also visited the "willow glade" (opposite Mr Morris'). Except Bumbles very few insects out.

Glenasmole, Dub. 3.15 till 5.0 P.M.

Bombus 1 ☿ seen on willow bush in middle of upper dam, which I feel sure was a B. jonellus from its small size; if not B. jonellus it can only have been a tiny ☿ of B. lucorum, which is most improbable. A very early date for a ☿, even in a good year.

B. lucorum ♀♀ very common at willows

B. hortorum 1 ♀ seen on Primrose flowers by the footpath.

B. agrorum 1 ♀ seen

Psithyrus distinctus 1 ♀ in willow glade.

17.4.40 contd. Glenasmole, Dub. contd.

Hemiptera 1 ♀ beaten out of holly near Morris

Agrypon 1 ♂ swept off Salix in glade.

Rooks.

Beetle (Staph.) swept under tree near Morris' = [illegible]

N.B. Some Salix species of trees in good leaf, & not still in flower; S. aurita in full flower on E. side of upper reservoir; some birch showing leaves, others not at all; larch leaves just bursting buds

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17.4.40. First Small White Butterfly (♂) seen in back garden, 4 Clareville Rd., at 4 P.M. Andromeda (in tub) & Arctostaphylos uva-ursi in back garden in flower, the plant of the latter from Agnew's Hill with 3 flower spikes, first time of flowering since collected & brought into garden in 1911 (?)

Carex stricta was in full flower & shed stamens first on 13th or 14th April.

21st April 1940. A warm soft, steamy, morning & forenoon, afternoon, heavy rain at night & a cold [illegible]. About noon when in back garden I found a frog peeping at me out of the dead fronds of large clump of male fern, not quite so large as our late lamented "Frog" who died on 27th March last (see p. 14, ante), so there have been two frogs in the garden & we never suspected it & never saw more than one at a time: nevertheless this accounts for some facts concerning variation in colour & size of "Frog" which had been reported from time to time.

In afternoon set out for R. Slaney, but beyond Poulaphouca ran into thick cold rain, so returned home, where no rain till later.

Reservoir at Poulaphouca now about half filled & much nice ground already under water, including my station for Equisetum variegatum at head of gorge, not far above the new dam.

Thalictrum alpinum in tub in back garden in flower on this date (one spike).

23rd ~~March~~ April 1940. A lovely sunny day after the very wet night, soft & warm; great growth showing everywhere & sedges pushing up their flowering spikes in back garden. First spike seen on C. magellanica in tub on this date & buds on Vaccinium oxycoccus in same nearly open. Snowdon "Sea-pink" in flower.

24th ~~March~~ April 1940. A most perfect day in Dublin, nearly all morning, sunny, yet fresh, but cool SE breeze down Glenasmole in afternoon not good for insects.

In afternoon went to Glenasmole & spent 2½ hours in hot sun, mostly in wood & willow glade opposite Moore's (=1), but took a few sweeps under trees near Moore's on way back to car (=2).

Glenasmole, Co. Du. 3.0 till 5.30.

Bombus lucorum & agrorum ♀♀ seen, but only a few.
B. jonellus 1 ♀ certainly seen on Salix in glade at 1
Psithyrus distinctus 1 ♀ at 1.
Andrena praecox many ♂♂ at Salix catkins in glade at 1 though few catkins left after rain, &c.
A. clarkella ♀♀ still visiting at 1.
A. albicans many ♂♂ at 1.

24.4.40 cont. Glen[illegible], 3rd cont.
Nomada [illegible] 1♀ at the tank in 3rd coombe.
Salius fuscus ♂♂ seen at 1.
Vespa spp several ♀♀ seen, not identified.

Dolerus [illegible] ♂♂ & ♀ beside old [illegible].
Empria [illegible] 1♂ in wood at 1.
Pontania [illegible] common at [illegible]
round big [illegible] at top of wood at 1, 5 ♂♂ 1♀ taken.
[illegible] tenuis 1♀ at Salix at 1.
[illegible] at 2 =
Allantus [illegible] ♀
Pompilus plumbeus 1♂, [illegible] yellow [illegible] in wood at 1. Priocnemis [illegible] 1♀ at 2 ([illegible])
Empid[illegible]. [illegible] ♂♂ abundant at 2, [illegible] at 1. Sp. ? ([illegible])
=
Small black [illegible], [illegible] found [illegible] at Salix in glade at 1 = [illegible]
Stenomacrus [illegible] ♀♀ abundant at 2, no ♂♂ seen.
[illegible] ? the usual species seen at Salix at 1.
[illegible] 1♀ at 1 = [illegible]

Bracon [illegible] 1♀ on top of Salix cinerea in glade at 1.

24.4.40, cont. Glen[illegible], 3rd cont.
Bombus 1 =
Anthophora 1 =
Daddy-long legs: Tipula , ♂♂ abundant, 1♀.
Orange tip Butterflies seen.

26th April 1940 The third warm sunny day in succession. Euphorbia [illegible] in front garden (old (NW) plant!) in flower. Orchis mascula in flower in back garden. This latter plant (in garden since May 1913 — 27 years) has not flowered for several years, probably due to encroachment of clump of Osmunda.

28th April 1940. A misty morning, with wet sea-mist driving inland in the wind & wetting everything; later clearing & very fine & sunny from 2 P.M. onwards.

Bus to top of Brantham woods, Clare, 6 W1., there arrived at noon, worked down edge of Brantham wood to wet slope & river bank (=1); after spending about 2 hours on the slope & around the swamp (also included in 1), came back up through wood to car about [illegible] at 5 P.M. (=2) [illegible]

Bombus lucorum, jonellus, agrorum (1) & lapidarius (2) ♀♀, also saw 1 ♀ B. jonellus on Vaccinium.
Psithyrus distinctus & P. quadricolor ♀♀.
Andrena lapponica ♂♂ & ♀♀ abundant in wood.
Vespa rufa & vulgaris ♀♀, certainly seen.

Empis tridens 1♂ at 1.
Pontania ♀ beaten off bot. birch, at 1.

[Saw at 1 ? 1 beaten off birch, but lost! ([illegible]!)]

28.4.40, cont. Clare, W1. cont.
Ichneumonidae, [illegible] mostly put into alcohol, not set:
Exephanes occupator? 1♂
Cryptinae, several spp., but only 1♂ pinned & kept
= Cratocryptus ♀, at 1.

Ichneumon extensorius 1 fine ♂ beaten off bot. birch. (at 1.)

Stenichneumon confusor? a large ♀ (at 1) beaten off ? pine, set upside down with top of head in [illegible] to try to prevent head collapsing, as it usually does; noticed on 27/4/40 that a hollow had appeared in region of ocelli, as if the part of the head was very weakly chitinized. Remounted right way up 24/9/1945! A.W.S.

Orthocentrus sp. repetitor? 2 ♂♂ at 1, with 26 & 28-seg. antennae & unbroken [illegible], not [illegible] already up to the top in [illegible]. See next p. →

30

28.4.40, cont. Clara, W., cont.

Orthocentrus [illegible] ?? 1♂ at 2 [illegible]; see previous page.

O. [illegible] ?, 1♂, with no traces of areolet in [illegible].

Tricholus [illegible]? 1♂ ♀.

Mesochorus 1♀: not mounted.

Plectiscus not mounted

Aperileptus not mounted.

Helictes not mounted

Campoplegidae 2 + 3 not mounted.

Thersilochus? 1 sp, black ♂, at 1, with 19 seg. ant.

Atractodes bicolor? fragment not kept.

Cryptinae [illegible] ? common, not kept.

31.

25.4.40 cont. Clara, W. cont.

Bracon scutellaris Wesm. 2♀♀, at 2

Colastes braconius ♂♂ & ♀♀. not mounted.

Euphorus antennalis [illegible] ♂(?) with 23 seg. ant, at 1.

[illegible] ? 1♂, ♀♀ [illegible], at 1 & 2

[E. [illegible] ♀. [illegible] ♂♀, [illegible] not seen when labelling in Sept 1942 [illegible]]

Orthostigma curvicaudatum [illegible] ♂♂ many, ♀♀ common,

3♂♂ & 2♀♀ mounted from 1 & 2.

[illegible] of atra [illegible] / petiolaris [illegible] {[illegible] ♂♂, at 1.

[illegible] of atra 1♂, at 2.

Proctos. about 10 [illegible]

Speckled [illegible]
[illegible] (19[illegible])
[illegible]

[illegible]

1.5.1940. [illegible] Helictes [illegible] at 14 Clarendon Rd. [illegible]

2nd May 1940. A fine day after a misty morning, with E. breeze, & [illegible] sun in afternoon.

Drove to glen W. of Deputy's Pass, Co. W., arriving at 1 P.M. After lunch collecting in valley bottom, along some rather marshy ground amongst Alder & Willow, for a couple of hours; then back to Deputy's Pass, there collecting for 1½ hours. Called on H. W. Preston at Greystones on my home. Insects not very plentiful.

[illegible] 1 = Glen W. of Deputy's Pass. 2 till 4 P.M.
2 = Deputy's Pass: E. side, mainly in large oak-wood N. of tributary stream. 5 till 6 P.M. All Co. W'l.

19 from 1, [illegible] & 31 from 2, [illegible] labelled [illegible]

Bombus lucorum, agrorum, hortorum (?) & lapidarius ♀♀ seen.
Psithyrus distinctus ♀♀
Andrena clarkella ♂♂ abundant at 1.
A. praecox ♀ on Salix at 1.
Halictus rubicundus ♀ at 1.
[illegible] at 2, ♀.
Nomada marshamella ♂♀ seen at 1

& S. [illegible] road. Deputy's Pass, & E. of [illegible]
Vespa vulgaris, sylvestris (at 2) & rufa ♀♀ seen.

Cimbex 1♂ at 2 (1st seen 1940).
Ichneumon extensorius or militarius? ♀, black legs, at 1.

Dicaelotus? pumilus?? 1♀ at 1, reddish [illegible] sp.
Phaeogenes [illegible] 1♂ 1♀ at 2.
Id. ♀ at 2.
Cryptid. [illegible]
=

Pimpla [illegible] 1♂ (1st seen) at 1.

Stenomacrus [illegible] ♀♀ & ♂♂ at 2, [illegible].
St. cubiceps? [2 ♂♂?] & 2♀♀ at 2.
St. vidibundus? 1♂ at 2.

Orthocentrus repentinus? 1♂ at 1, [illegible].
O. [illegible]? 1♂ at 2, [illegible]
[illegible] 2♀♀ at 2, [illegible]
[illegible]

34

2.5.40 cont. Deputy Pans, to W. cont.

Ca. pollopid.: about 10: none mounted!

Halictus 1♂: not mounted!
Plantissier 1♀ at 2.

Therileonta? 1♀ at 1, long tendons.
Th.? 2♂♂ + 1♀ at 2, on bird, on W. side of Pans: short tendons.

Bracon sp. near frondator ♂ + ♀ at 1.
Coeloides longiceras? ♀ at 2.
Colastes braconius ♂♂ at 2: not both.
[illegible] incertus? ♂ + ♀ at 2, with 33(♂) + 38(♀)-segmented antennae; ♂ wings badly torn!
Aspilota [illegible]? ♂ at 2, ♀ at 1.
A. [illegible]? ♀ at 2.
Meteorus [illegible] 1♂ at 2
Microctonus [illegible] 1♂ at 1

35

2.5.40, cont. Deputy Pans, ♂?, cont.
[illegible]
Opius sp.? 2♀♀ (one at 1, the other at 2), ? same species, + both with 21-seg antennae; one has [illegible] of a dimple, but [illegible] [illegible]
[illegible] target!, and run to any species, ~~[illegible]~~
= [illegible] of [illegible] ♀, type! AWS. 22.1.1944.

Aspilota seminiger? 2♀♀ with 17(18)-segmented antennae + also 2♂♂ with dark legs, also no dimples, + 22 + 24-seg antennae, quite unlike the ♀♀, but ? same sp., all at 2.
A. (Synaldis) sp.? 3♂♂, dark legs, 19, 21 + 22-seg. ant. etc.
= concolor? AWS. 6.10.42

Dacnusa areolaris 1♀ at 1, not both.
D. longiradialis 1 at 1, robust, darkish legs.
Bracon [illegible]? ♂ at 2, with 19 seg ant.
Opius [illegible] 1♂ at 1
Microctonus [illegible] 1♀ at 2.
Aphidius [illegible] ♀ at 1, with 16-seg. antennae.

Proctos: only 1 [illegible] (from 1)

Chalcid. } None mounted!
Cynipid. }

For Serphids PTO →

7.5.40 cont. Deputy's Pass, &c, Co. Wi., cont.
Dolerus [illegible] 2 ♂♂ at 1.

A. [illegible] 1♀ [illegible] off Salix blossom & yellow with pollen at 1
(not recognised as a [illegible] owing to pollen!)
Blennocampa [illegible] R.B.Benson, 11.3.43. [illegible] apparently egg-laying on leaf of Potentilla f. in sandy patch, wood at 1.
[illegible] ♀ at 2
Allantus pallipes ♀ at 1.

Pontania ? sp.? 2 ♀♀, presumably on willows at 1, but [illegible] got together: one of these is very large for the genus. A.W.S. 4/3/42.
R.B. Benson returned these with letter of 11.3.43 & said
1 = "Pontania sp.?, [illegible]"
= "Pristiphora [illegible]"

3rd May 1940. A ♀ [illegible] pedestris taken by E. O'Mahony at St. Anne's, Clontarf, Co. DU.

4 May 1940. A dull drizzly day, after a beautiful morning. A lot of rain in aft. [illegible] to R. Canal [illegible] & spent 1½ hours on the bank of the Rye Water for 200 yards above aqueduct. Collecting difficult owing to too wet a day?
11 till 12.15 noon.

Rye Water, above R. Canal aqueduct, Leixlip
1 Bombus terrestris 1♀ seen & George also reported one. Co. KD.
B. lucorum ♀♀ seen
B. agrorum & lapidarius ♀♀
B. muscorum ♀♀ seen by George
Andrena albicans ♂♂ seen.
Nomada goodeniana seen
Vespa rufa ♀♀
V. vulgaris ♀ seen

[illegible] ♀♀ [illegible] (6♀♀) [illegible]

Tomostethus [illegible] ♀♀ [illegible]
Pristiphora [illegible] Sawfly [illegible] (♂)

Dolerus [illegible] ♀ [illegible]

Cryptus [illegible] ; [illegible]

20

5 ♂ & 4 ♀ [illegible] [illegible] [illegible], K.D. [illegible]
[illegible] [illegible] about 8-10
None mounted.

[illegible] flavipes pictus ♂ (?)
Campoplegidae 2 ♂ ♀
Not mounted.

Aspilota 3 [illegible]
[illegible] 1 ♀ & [illegible] ?

Swift seen at 1.30 P.M. over canal at Harold's + & again in evening

Aspilota (Spathius) [illegible] 1 ♂

Ephedrus plagiator 1♀ 1♂
[illegible] [illegible] 1♀ 1♂
Aphidius [illegible] [illegible] [illegible] [illegible], [illegible] 13 [illegible] [illegible], the last [illegible] [illegible]

Proctotr. [illegible] [illegible], [illegible] Platygaster [illegible] [illegible]

6th May 1940. Rugas [illegible] ♂ taken by E. O'Mahony at St. Anne's, Clontarf, Co. DU. Ves. [illegible] [illegible]

21

7th May 1940. A fine day, dull, chilly, with N. wind, but no real rain or showers all day. Insects naturally scarce after previous cold stormy weather.
Left at 11.30 A.M. to R. Slaney at Ballyhubbock Bridge, Glen of Imaal & after lunch collected for about an hour on right bank of Slaney below the bridge, (=1) beating & sweeping; then on to the Metal Bridge just below junction of Little Slaney & Slaney, near Donard Town, where in some nice ground swept for an hour on left bank of Little Slaney, above "meeting of the waters" (=2). 600 Co. Wi.

Right bank of R. Slaney, below Ballyhubbock Br.
1.45 till 2.45 P.M. = 1
Left bank of Little Slaney, above the Metal Bridge.
3.0 till 4.0 P.M. = 2.
Bombus lucorum & agrorum ♀ fairly good.
B. jonellus ♀ seen only & [illegible] hollow in bank at 2.
Andrena [illegible] ♀ fresh ♂ at 1, [illegible]
Nomada [illegible] & probably [illegible] at 1.
Bethylus fuscicornis, one [illegible] at 1.

21 spp. 1 & 14 from 2 [illegible] & then labelled 8/10/53 AWS

40

7.5.40, cont. Ballyhubbock, S^n Glen of Imaal, Wi, cont.

Dolichomitus mactator 1♂ at 2.

Pachyprotasis rapae. 1♀ at 2.

2 [illegible] at 1, beaten off thorn & willow

= Allantus pallipes ♀, Pristiphora conjugata? & Trichiocampus eradiata? ♂.

Also 3 at 2 = Selandria serva? ♂, [illegible] ♀

& Pontania [illegible] [illegible] ♀. V. R.B. Benson, 11.3.47. = Pontania Konow

Cryptinae many ♂♂ & a few ♀♀ at 1 & 2, including

Hemiteles ♀, long terebra, banded wings, [illegible]

Phygadeuon ♀

Cratocryptus? ♂, with abdomen, [illegible]

& mandible

only these 3 Cryptinae mounted

Bassus [illegible] 1♂ at 1, beaten out of hedge at 1

Zootrephes [illegible] ♂ & 1♀ [illegible] at 1

Homocidus [illegible] 3 or 4 at 1, not [illegible]

Proctotrupes [illegible]? ♀ at 1

Helictes 1♂ at 1, not [illegible]

Campoplegidi [illegible] a [illegible] at 1 & 2.

1♂ only mounted =

(41)

7.5.40, cont. Ballyhubbock, S^n, Wi, cont.

Bracon [illegible] 1♀ at 1, [illegible] 30.5.52

B. [illegible]? 1♂ at 2

Apanteles 3 or 4

A. fulvipes? ♀, only mounted

Phaenocarpa conspurcator, 2 small ♀♀, beaten off hedge at 1.

Aspilota ruficornis? ♂ at 1, 19-seg. ant.; very small & black legs.

A. (Synaldis) concolor? 1♂ at 1, 1♂ at 2, with 22 & 20-seg. ant. resp.

A. (S.) gracilipes? 1 very small ♀, at 1, with 16-seg. ant.

Orthostigma [illegible]? ♂ at 1, with 25-seg. ant.

Dacnusa [illegible] 1 large ♀ at 2.

D. areolaris. at 1

D. [illegible]? at 1 & 2.

D. } melanocera? 1 at 2.

D. } 1 at 2.

?(2 ♂♂, not normal, dark legs, 25 & 25-seg. ant.; probably this species.

Also A. (S.) [illegible] ♀ at 2 with [illegible] antennae

Microctonus [illegible] 2♂♂ at 1

Aphidius 6 or 7 at 1 & 2. only two kept:—

= A. ervi? ♂, with 19-seg. ant. at 1

A. [illegible]? ♀, with 17-seg. ant., but does not agree well enough [illegible] at 1.

Possibly a dark form of ervi?

Rocks.. 4 mounted (2 from 1 & 2 from 2) = Trioxys group 2? ♂ 2;

8th May 1940. A fine afternoon after a dull morning with some drizzle, vegetation in open mostly too wet to sweep, dry under trees, very hot sun after 4 P.M., cool N. breeze.

Glenasmole, Co. Du. 3.30 – 5.30 P.M.

Only collected in two places, as follows

1 = under trees just above Moore's house & between path to footbridge & path to up. dam.

2 = under trees between Moore's garden & river & along river to head of lower reservoir.

Anteon ♂ & ♀ at 2.

Monsoma pulverata ♀, at 2.

Empria ♀ at 2

Euura salicis? ♂ at 2.

Pontania ♀ at 2.

Phaeogenid ♀ at 1 = Proscus suspicax?

Atractodes ♂ at 2

Campoplegid ♂ at 2 =

[illegible] ♂ at 2

Pimpla flavicoxis! ♂ & ♀ at 1.

Rogas circumscriptus? ♂ at 1, var. with all red femora.

15 mounted from 1 & 16 from 2 then labelled 9/10/1942! The remainder of the catch not listed & put in papers. A.W.S.

8.5.40, cont. Glenasmole, Co. DU., cont.

Exochus ochropus? ♂ at 1, another at 2, both with humerals red.

Opius caelatus ♂ at 1

Aphaereta major ♂ at 2

Dacnusa [illegible]? at 2 (♀) } darker legs than our

D. obesa? at 2, ♂ } specimens so labelled! AWS 12.10.42.

D. laevipectus? at 2, ♀

Ephedrus lacertosus ♀♀ at 1 & 2.

Praon volucre ♂ at 1

P. flavinode? at 1, small ♂, 20 seg. ant.

Aphidius cirsii? ♂ at 1, 15 seg. ant. } Probably all belong to

A. cirsii? ♀ at 1, 16 seg. ant. } one species, though not

A. cirsii? ♀ at 1, 16 seg. ant. } all same in colour

Proctos. 2 at 1 & 1 at 2

= Phaenoserphus fuscipes ♀ at 1.

Cryptoserphus aculeator ♀ at 2.

& Exallonyx? [illegible] at 1.

Coccinella ocellata at 1.

44

12th May 1940. A fine day, dull at first but nearly all sunny after 12 noon, with cool E–NE breeze.

Drove to top of Clara wood & walked down forestry wood to Osmunda glade, then along river to Cronybyrne river & back up to car. Insects plentiful in shelter of wood, but few near river where breeze strong. Co. Wl.

1 = Forestry wood from road to sand flat.
2 = Osmunda-glade & sand flat, the latter now nearly all overgrown.
3 = Cronybyrne wood, flat area along river to tributary, swampy, &c.
4 = Way up from river to road through Cronybyrne wood.

18 from 1, 18 from 2, 10 from 3 & 2 from 4, to make up "[illegible]" [illegible]

Bombus derhamellus ♀ reported by George
B. lucorum, hortorum (1 on bluebells) & agrorum ♀♀ seen.
B. pratorum many, many ♀♀, mostly at Vaccinium

45.

12/5/40 cont. Clara, Wl, cont.
Andrena jacobi 1♂ at 4.
A. lapponica ♀♀ at 1 & 4.
Apis mellifera frequent in upper part of wood at 4, at Vaccinium.
Vespa vulgaris & rufa ♀♀ seen. Sawflies at end →
Nomada marshamella ♀ at 2.
Anteon ♂ & ♀ at 2

Cratichneumon annulator(?) & C. rufifrons(?) ♂♂ common, though 1 ♂? (from 4) kept & mounted seems but to fit C. magus Wesm.

Phaeogenes? }
Hemiteles } common, elongate, narrow, parallel-sided ♀ amongst Carex paniculata at 2
Hemiteles? red abd., legs & body, ♀ at 2 =

46.

12. 5. 40, cont. Clara, Wt, cont.

Pimpla [illegible] 1♀.
P. maculator 1♀, not kept.
P. [illegible] group 1♀ (? [illegible])
P. [illegible] group 1♂, small, at 3.
P. " , black hind legs 1♂, at 1.

Phytodietus [illegible] 1 beautiful ♂ at 3.

[illegible] [illegible] ♀ [illegible]
[illegible] (? [illegible])
[illegible] [illegible] ? ♂ at 1. St. [illegible] ? ♂ at 1.
St. [illegible] ? ♂ at 1. St. [illegible] ? ♂ at 2. St. [illegible] ? ♀ at 2.

[illegible] 2♂♂, 2♀♀ (? [illegible])

[illegible] ? 1♀ (? [illegible]) with [illegible]
[illegible] 1♀ (? [illegible]) with 1♀ [illegible]
[illegible] [illegible] ? ♀ at 1.

Homocidus [illegible] 1♀
[illegible] [illegible] 1♂ (at 1 ?)

47.

12. 5. 40, cont. Clara, Wt, cont.

[illegible] ([illegible]) abundant all through wood
Campoplex [illegible] (not kept).
C. [illegible] 1 at 4.
[illegible] : about a dozen taken : kept the following 2 only
= 1♀ at 1 =
1♂ at 3 =
[illegible] 3♀♀ at 1 (? [illegible]) 1♂ =

[illegible] (not kept)

[illegible] ♂ at 1 =
2♀ at 3 =
[illegible] 1♂, at 1 = [illegible] [illegible].

[illegible] [illegible] ? 1♀, at 1.
Rhogas [illegible] ? 1♂ at 2, [illegible]
[illegible] ? 1♂, 2♀♀ on Sycamore at 2,
[illegible]
[illegible] [illegible]
[illegible] 1♂ [illegible], 1♂ [illegible]
[illegible] [illegible] ♂♂ [illegible]
M. [illegible] 1♂ at 2.
M. [illegible] 1♂ (? [illegible]).

12.5.40, cont. Clara, W1. cont.

Euphorus [illegible].

Microctonus [illegible] of at 2 =

Eubadizon [illegible] ? 1 ♂ at 1, with very slender 22-seg. ant.

[illegible] viminalis(?), ♂ at willows at 3 {with only 24-seg. ant.

Dinotrema ?? 1 large ♀ with red legs at 2, 35 seg. ant. similar to 1 specimen taken there on 16.5.1937, but smaller [illegible] & coarse sculpture [illegible] separate them from D. [illegible] AWS 7.11.42.

[No Opiids]

Phaenocarpa [illegible] ? 1 ♀, with 30 seg. dark antennae

Aspilota [illegible] sp. 2 ♀. Type! AWS 8/11/1942, very [illegible] with shorter antennae, [illegible] ; at 2.

A. (Synaldis) concolor ? ♂ at 2, with 17 seg. ant.

Dacnusa [illegible] ? 1 ♂ with 26-seg. ant.

Aphidius [illegible] 12 [illegible] under bark at 2, very [illegible]

Trioxys [illegible] ; of [illegible] antennae [illegible] taken [illegible] on 8.5.37 ♀ 12 seg. ant.

12.5.40, cont. Clara, W1. cont.

Proctos. 2 at 2 = Cryptoserphus [illegible]

Chalcid: black, bright red eyes, slender, ♀ at [illegible]

=

Chalcid: squat, 1 at 1 =

Sawflies.

Tenthredella atra 1 ♀ beside car on road, probably off car.

"Empria" viminalis ♂♂ at willows (at 2).

Pontania [illegible] 1 ♂ at 2.

3 ♂♂ ([illegible]) at 2 =

♂ ♀ [illegible] = P. [illegible] R.B. Benson 11.5.43.

12th May 1940. Taken by E. O'Mahony in St. Anne's, Clontarf, Co. Dublin.

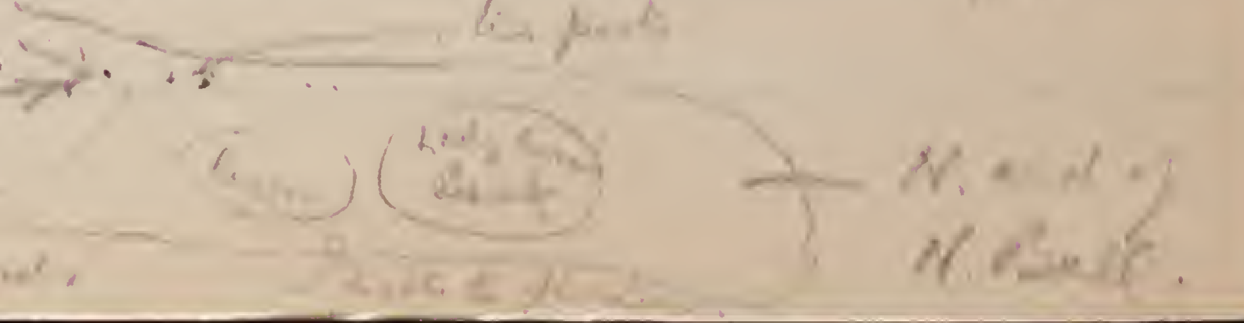
[illegible] ♂ 27-seg. ant., [illegible] ♂ 23-seg. ant.

Aspilota [illegible] ♀

13th May 1940. A short-winged ♂ of [illegible] taken behind N. Bull, Dollymount, Co. Du. by E. O'Mahony on shore amongst Sea Pinks [illegible] at the place [illegible] lies posts

Also [illegible]

[illegible]



15th May 1940. A rather poor day after two gloomy rainy ones, wind changing from NNW to SE at 2 p.m. produced a few with slight drops & chilly wind till 5 p.m. then [illegible] fine & sunny. In afternoon went to Glenasmole, but hymenoptera very scarce indeed & 3 hours sweeping produced only a meagre catch.

Glenasmole, Dub. 2.30 – 5.30

1 = flat between Moore's house & garden & the river up to the ford.

2 = under trees S of ford on right bank of river up to footbridge.

3 = under trees from footbridge to Moore's on left bank of river.

No aculeates seen there I saw! except ants & 1 ♂ [illegible] at 2 — [illegible]

Dolerus 1 at 3 = Empria [illegible] ♀

All [illegible] ♀. Blennocampa tenuicornis ♀

[illegible] 1♀ at 1.

Anteon 1♂ at 3 killed 18/5/40

Tenthredo [illegible] ♂♂ frequent.

1♂ [illegible] = 1 [illegible]

15.5.40, cont. Glenasmole, Dub. cont.

Cryptinae: [illegible] & Dryinae.

1♂ from 1 =

[illegible]

[illegible] ♂ at 1.

[illegible]

[illegible] ♀, black, near [illegible]?, at 3.

Phytodietus 2♀♀ at 1

Pimpla [illegible] 1♀

[illegible] 1 [illegible]

Stauronematus [illegible] ♀♀ abundant at 2 & 3, [illegible].

[illegible] 1♀ at 3.

Stenomacrus 1♂ at 1.

[illegible] at 1.

15.5.40. cont. [illegible], 6 Km. cont.
Promethes [illegible] ♂♂.
P. [illegible] 2 ♂♂; 1 ♂ [illegible]

Homocidus flavolineatus ♀ 1♂, 1♀, [illegible]

H. [illegible] several.

Campoplegidea 5♂♂ + ♀♀, 1♀ with pale venter to abd. mostly at 2 =
([illegible])
[illegible] ♂

Bracon cf. epitriptus ♂ at 1, var. with dark legs? [illegible]
(New for [illegible] at 1 ♀?)

Opius [illegible] 2♂♂ + 1♀
Biosteres carbonarius ♂ at 2.
Alysia sp.? ♂ at 1, [illegible] long [illegible] [illegible], [illegible] of [illegible]!
Alloea contracta 1 ♂ at 3
Pentapleura pumilio 1 ♂
P. [illegible] 1♀
Coelinius flavimanus 1

15.5.40, cont. [illegible], 3½ cont.
Aspilota [illegible] at 3. [illegible]
[illegible]

A. [illegible] ♀ at 1, [illegible]

Aphaereta major 1 [illegible] ♂ at 1, [illegible]

Dacnusa [illegible] 1 ♂, [illegible] swept on right bank of river at 2 (at S end of pond) where overflow from drained channel comes into river, beside small [illegible] bush on edge of channel or near same: labelled 16/3/41 [illegible]

D. [illegible] [illegible] frequent.
D. [illegible] ♂ at 1, ent. 23. D. [illegible] ♂ at 1 ent 25
D. [illegible]? ♂ at 1, ent. 27, var. with dark legs
D. [illegible] or [illegible]? 2 several.

[illegible] [illegible], ♂♂ + ♀♀ at 3.
E. flagellator 2 ♂♂ at 3.
[illegible] [illegible], 1 ♂ at 3.

15.5.40, cont. Glenasmole, Dub., cont.
Aphidae [illegible] 17 at 3
[illegible] [illegible] 2 [illegible] [illegible] [illegible] at 7.
Monostoma [illegible] [illegible]?

Psocids very rare, only a few seen & taken.

On Sycamore leaves at 2 collected some black "shiny" Aphids from which Psocids & [illegible] subsequently bred in June 1940 =

15.5.40. Garden, Harold's Cross, Dub.
Bombus lapidarius ♀ seen 2 p.m.

18th May 1940. Garden, Harold's Cross, Dub.
First Bibio of season seen at 9 a.m. in [illegible] [illegible] : no doubt a ♂ [illegible] varius.
First flowers of Helianthemum ~~[illegible]~~ noted from B. Cross & Veronica [illegible] from [illegible] [illegible].

18.5.40. C. O'Mahony took another ♂ [illegible] maritima & 2 ♀♀ Bracon [illegible]? in salt-marsh behind the North Bull, Dollymount, Co. Dublin.

19th May 1940. A most perfect day after a heavy [illegible]. Entirely sunny, with a gentle to fairly strong E. breeze according to situation.

Bus first to Raheen, just N. of Carrigower Bridge (on Roundwood Rd.) there spent an hour, then on to George's Bridge on R. Slaney. This latter cuts through moraine at ~~entrance~~ exit from to the Glen of Imaal. Insects abundant at former & in [illegible] at latter, but noticed as the day wore on. All Co. Wi.

R. = Raheen, [illegible] [illegible] [illegible] sides of stream, i.e. for ¼ mile below Roundwood – Carrigower Bridge road 12 noon till 1 p.m.

G.B.1 = left bank of R. Slaney above George's Bridge, especially near [illegible] scrub, ¼ mile up stream 1.30 till 4.0 p.m.

G.B.2 = left bank below George's Bridge to near [illegible] scrub near [illegible] Bridge 4.30 till 5.30 P.M. Very few insects taken at G.B.2. Almost the whole catch of [illegible] & [illegible] [illegible], packed up in paper.

19.5.1940, cont. Raheen & George's Br., Wi. cont.

Bombus muscorum ♀♀ frequent at R.
B. derhamellus ♂♀ at G.B.1.
B. lucorum, hortorum, agrorum, lapidarius ♀♀ seen.
Andrena jacobi, nitida? seen.
Nomada flavoguttata ♀ seen.

[illegible] no? small ?? seen netted!

Dolerus niger 1♀, nigratus, pratensis, palustris 1♂, + liogaster (♂♂ + ♀♀ common) at G.B.1
Empria alector? ♀ at G.B.1. E. liturata?? 2♀♀ at G.B.1.

Selandria flavens ♂ at G.B.1.
[illegible] equiseti ♂ at G.B.1.
Pachynematus diaphanus ♂ at G.B.1.
Pristiphora [illegible] small ♀ at G.B.1.
Ich.

2♀♀ from G.B.1 [illegible] 4♀♀ from G.B.2 [illegible] 11 ♀ from [illegible] labelled [illegible] at [illegible] all from G.B.1 or Raheen brought home [illegible] then labelled "George's Bridge" but [illegible] 19.5.40 [illegible]

Gnamptocryptus? ♂ at Raheen =

Leptocryptus red ♂ at "George's Br." = L.

19.5.40, cont. Raheen & George's Br., Wi. cont.

Orthocentrus ♂ at "George's Br." = O. [illegible] = [illegible] D.S.

Mesoleius small red ♂ at "George's Br." =

Hadrodactylus cf. typhae ♂ at G.B.1.

[illegible] ♂ at Raheen labelled "George's Br." = [illegible] [illegible]

Polyblastus black hind femora, 1 at Raheen.
P. red hind femora 1 at Raheen.

Homocidus pallipes ♂ at Raheen
H. tarsatorius ♀ at G.B.1.
H. [illegible] ♂ at "George's Br."

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19.5.40, cont. Raheen & George Br., Wl. cont.
[illegible] ♂ at G.B.1 =

[illegible] ♀ at "George Bridge" = [illegible]

Braconidae.

Bracon [illegible] ♀ at R. [illegible]
[illegible] Bridge [illegible]
[illegible] ♂ at George Bridge, with [illegible] 18 seg. ant., [illegible]
[illegible] ♂ at G.B.1 ([illegible]) = [illegible]

Rhyssalus clavator 1♀ at R.

[illegible] ♂ & ♀ at R. [illegible] ♂ at R.
Rhogas circumscriptus? ♂, with 41-seg. ant. bred 27.5.40
from dead caterpillar found at George Bridge.
Microgaster globatus ♂ at G.B.2.
Microplitis xanthopus [illegible] ♂ at G.B.2.
[illegible] ♂♂ at R, 1♂ at G.B.1.
[illegible] ♀ at G.B.2
[illegible] ♀ at R, with 20 seg. ant.
[illegible]
[illegible]

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19.5.40, cont. Raheen & George Br., Wl., cont.
Blacus [illegible] } 1♀ at G.B.2.
or [illegible] }

Opius [illegible] ♂♀ at R.
Opius ♂♂ at G.B.1 with 24 & 30 seg. ant. of [illegible]

[illegible]
Alysia [illegible] small ♂ at G.B.1 [illegible] at G.B.1.
[illegible] unique!
Phaenocarpa [illegible] ♂ at G.B.1. Ph. [illegible], small ♂ at G.B.1.

[illegible] ♂ at G.B.1.
[illegible] 1♂ at "George Bridge".
[illegible] ♂ at G.B.1. [illegible] ♂ at G.B.1
[illegible] ♂ at R, [illegible] seg. ant. =
[illegible] ♂ at G.B.1, [illegible]
[illegible] ♂ at G.B.1, [illegible]
[illegible] ♂ at G.B.1, with 18 seg. ant.

[illegible] seg. ant.

19.5.40, cont. [illegible] & George's Br., W1., cont.
Dacnusa [illegible] ♂ at G.B.2
Dacnusa fortis ♂ at R. D. areolaris ♂ at G.B.1.
D. [illegible] nigra ♂ at R., with 27 seg. ant. D. sp near limula ♂ at G.B.2, with 26 seg. ant. & faint stigma.
D. 3 of an [illegible] 3 toothed ♂♂ at G.B.1, with 35 & 36 seg. ant. = glabriculla
D. sylvina? small ♀ at G.B.1, with 28 seg. ant. & [illegible] hind femora
D. glabriculla Nixon 2♀♀ at G.B.1, with 29 & 30 seg. ant., being [illegible] not projecting, [illegible]
Type & paratype!
A.W.S. 16.11.1942.
D. sp near laterale 1 at G.B.1. D. affinis & [illegible] ♂, large, at G.B.1.
D. melanocera? 1♂ at G.B.1, with 28 seg. ant. D. sp near last but 35 seg. ant. 1♂ at G.B.1.
Toxares deltiger 4♂♂ = 3 left at G.B.1; 1♀ at R., 1♂ at G.B.2
Ephedrus plagiator ♂ at G.B.1.
E. lacertosus ♂ at G.B.1.
Aphidius sp. ♂ with dark legs & 19 seg. ant. at G.B.2.
cf. nigripes Ash.

Proctos. 2♂♂ only kept
1♀ at G B 1 =

Three Ichneumons given me by Dr. A.A. Lisney as "bred 1940" but whether at [illegible], Co. Dublin or Lincoln, England I am not at the moment sure! (A.W.S. 16/11/42, when labelled.)
= Ichneumon deliratorius ♂ & Cryptus [illegible] ♂ & ♀

20.5.1940. Six ♂♂ of Aphidius ribis? hatched out of [illegible] aphides collected in garden, [illegible] Rd., Dn. on White Currant leaves, a few days previously.

21.5.1940. Received a large consignment of Hymenoptera (mixed) from R.C. Faris: some from neighbourhood of Boyle, Co. RO., collected on Dr. F.C. Long's excursion at Whit 11th-13th May: others from 3 localities in Co. CV. as follows:— All taken except [illegible] Bird.
(1) Farnham, CV. coll. between 8 & 9 P.M. 16th May.
(2) [illegible] Park, Cloverhill, 3 till 6.30 P.M. 15th May.
(3) Gortinardrum, 3.30 till 5.30, 19th May.

1. Farnham, Co. CV. 16th May 1940, 8 till 9 P.M.
Adelognathus ♂ near [illegible], ant [illegible] seg
Brachistes [illegible] ♀, [illegible] wings.
B. [illegible] ♂, also with [illegible]
Dacnusa [illegible], a large, dark ♀ antennae broken.
[illegible] elegans ♀, ant 28 seg
Ephedrus [illegible] ♀.
Proctos. 2
— [illegible] 2♂♂

R.C. Faris coll.

2. Mahillah Park, Cloverhill, Co. CV. 18th May 1940.
3 [illegible] & 20 [illegible]

Anteon ♂

A. ♀.

Gnamptodon pumilio ♂

[illegible] ringens (?♂).

Ephedrus [illegible] 3♀♀

---

3. Gortinandrew, Co CV. 19th May 1940.

Anteon 2♂♂.

[illegible] notatus ♂.

Calyptus ?sp. ♀, with shorter [illegible] than [illegible]

[illegible] [illegible] ♂, ant 26 seg.

Ephedrus brevis 11♀♀. – 3♀♀ sent to Nixon April 1940 & 3 more returned to Faris as typical. AWS. 21/9/42.

Trioxys [illegible] 1♀, of an [illegible] with 12 seg. ant.

R.C. Faris coll.

[illegible] 4/11/42
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Oakport, Co. RD. 13.5.1940.

Hemiteles [illegible]: 3♀♀, [illegible] [illegible] [illegible], large, [illegible]

[illegible] [illegible] grp. 1♀.

Bracon ♀ 1♂, 24 seg. ant., black, [illegible] [illegible]

Opius [illegible] ♂

Alysia tipulae ? 1 small ♀, with only 31 seg. ant.

23/5/40. 1940 [illegible] Homocidus pictus (♂) seen in garden, [illegible] Cross, [illegible], on this date.

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23rd May 1940 — 8 till 9 P.M.

Drove to Glenasmole & went up to the top of upper reservoir, [illegible] [illegible] E. [illegible] ; very few hymenoptera, not [illegible] except [illegible] & taken [illegible] on Heracleum, at [illegible]. A few [illegible] beside reservoir on my back, but most insects taken on way down up. dam & under trees between that & S. end of the first & the latter place & the footbridge; all the above = 1. Those taken under trees between footbridge & Keeper's house = 2. Ephedrus lacertosus on the Bryophila [illegible] from 2

Glenasmole, Co. Du. 8-9 P.M.

Euura 1♀, small sp. 1♀ mounted, then labelled 19/4/42 AWS
[illegible] 2♀♀, larger sp.

Promethes

Homocidus cinctus 1♂, H. tarsatorius 1♀ at 1
H. dimidiatus at 1 & 2.

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23.5.1940, cont. Glenasmole, Du. cont.

[illegible] [illegible]
Stenomacrus [illegible] 1♀, same as that taken in P.T.O.
Glenasmole on 13.6.1938: the ♀ was I believe swept
under birch or trees on way down upper dam & at W.
end of same, where much [illegible] [illegible], & [illegible]
S. [illegible] fragments at 1 & 2, ♀♀ only.

P.T.O.

[illegible] [illegible] [illegible]

Rhogas [illegible] 1♀, with [illegible] at 1.
49-seg ant.

Meteorus 1 (not mounted).

Euphorus pallipes? several at 1, one ♂ mounted – 19 seg antennae.

[illegible] [illegible]? 1♂, small, with 39 seg ant.

→ 1 [illegible] [illegible] [illegible] [illegible], yet [illegible] the sp.

Dacnusa (see below); taken at S. end of first [illegible] inlet from filter: see 15/5/40, p.53 ante.

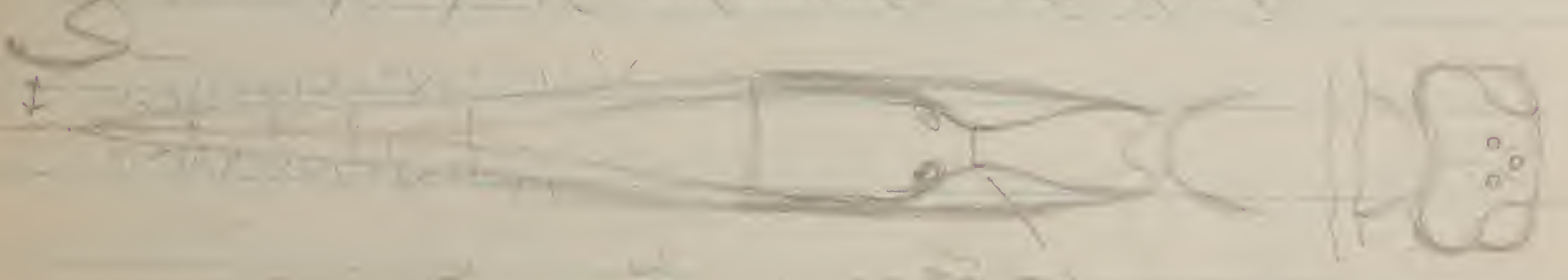
D. semirugosa ♀ } Presumably the 3 referred
D. [illegible] & 2♀♀ } to just above.

D. lateralis? 1♂, with 39 seg ant.

Aspilota [illegible] ♂.

Ephedrus lacertosus ♂ & ♀ at 2.

23. 5. 40, cont. [illegible], etc. [illegible]
Stenamma westwoodi ♀ [illegible] Determination
for the notes made on the ♀ when netting it
on 25.5.40. Head & basal seg., etc. [illegible]
in sketch, made of type ♀ taken on 13.6.35,
head noted to be [illegible] (3 [illegible]) ∘%∘
-shaped lines separating front from lateral
ocelli. Basal seg. of [illegible] milk-bottle-
shaped, with neck [illegible] [illegible] bottle.



[illegible]

26th May 1940. Very [illegible] & warm [illegible]
few [illegible] [illegible] [illegible]
of a [illegible] [illegible]. [illegible]
[illegible] [illegible]. [illegible]
[illegible] [illegible]
[illegible] & [illegible] [illegible].

Drove to old bog road near [illegible]
a few miles N.W. of [illegible] & just over
the [illegible] — [illegible] border, [illegible]
have not been for some years. Insects
very abundant, but strong wind made
collecting difficult. All [illegible] here
N. of old road across bog, "Ballyheelty",
& mostly about birch & sallow trees
beside stream draining small lake
shown on map (½" Ord.!) 1½ mls. west
of [illegible]. 12 30 noon till 4.0 PM.

Bombus lucorum ♀ & ☿
B. agrorum ☿ ♀
Halictus leucopus ♀
Nomada ruficornis
Andrena fucata
Andrena
Vespa sylvestris ♀ ☿

[illegible]

[illegible] 1956 A.W.S.

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26. 5. 40 cont. Bellyfeely, WH, cont.
Lasioptera rumicis, [illegible] in willows (S. cinerea mainly).
Cimbex femorata ♀. very fresh, taken resting on top of a lf. [illegible] [illegible] round. Very dark markings on ♀.
Tenthredella mesomela, ferruginea & balteata
Rhogogaster viridis
Strombocerus delicatulus
Strongylogaster lineata
Tenthredopsis nassata 2 small pale red ♂, 1 black & red ♀
Hoplocampa alpina 2♀♀ beat off [illegible] that had just [illegible] in flowering, [illegible] ♀ going on.

Empria [illegible] ? ♂
Beat off [illegible] (1 [illegible], one [illegible] 1931) = Lygaeonematus [illegible] ? ♂

Pristiphora denudata, small ♀.

[illegible] [illegible] 2♀♀ on Salix.

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26. 5. 40 cont. Bellyfeely, WH. cont.
[illegible] (hedge) [illegible] [illegible],
[illegible] 2 red, [illegible]
Hemichroa [illegible] ♀. cut 24.

[illegible] [illegible] ♀, [illegible] off

Pristiphora [illegible] on [illegible] ♀ [illegible] on edge of [illegible] leaf [illegible]
Dolerus [illegible] ♀ [illegible] on Sphagnum-bed log.
Phytodietus 1♂
Pimpla [illegible] 1♂.
P. sp. near vesicaria. [illegible] [illegible] black; cut 22 ♀.

26.5.40, cont. Ballyhealy, WH. cont.

[illegible] pratensis [illegible], out [illegible] off [illegible] [illegible] ♀ [illegible]

[illegible] [illegible], 2♂♂, out 26 & 25. St. sp.? ♂ out 22.

Bracon [illegible], [illegible], [illegible] of [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] out [illegible] [illegible] [illegible] ♂♂ out 22 & 23.

[illegible] ♂ out 21. ~~[illegible]~~ [illegible] ♂ out [illegible]

[illegible] sp. ♂ out 20. [illegible] [illegible] ♂ out 26+.

E[illegible] [illegible], 3 [illegible], out 32, 33 & 28+; [illegible]

[illegible] sp. 2♂♂ out [illegible] [illegible] [illegible] ♂ out 34.

~~[illegible] sp. [illegible]~~

~~[illegible]~~ [illegible] sp. [illegible], out 27 & 30 2 [illegible]. T. sp. (Spudaea) [illegible]

[illegible] 2♂♂ out 24 & 24+ [illegible] ♂ =
[illegible] 1♂ out 24 [illegible] ♂ =

[illegible] sp. ♀, out 29.

Anilasta ebenina Grav.? Two strong caterpillars of fasciolana found in bag, from which 2♂♂ of the or closely allied species bred on 18th & 19th June following. See note on p. 113.

→ Exochus flavomarginatus ♂, out. bitten off

E. [illegible] (♂?) out 30.

[illegible] sp. of 3 ♂(?), out 46.

Eurytoma [illegible] ♀, out 26.

Bracon sp.? 2♂♂, out 29 & 31 [illegible]

B. sp. small, [illegible], ♂, out 22.

Rogas of [illegible] [illegible] ♂, out 21+, ♀ out 37.
♂ has black femora, ♀ has red femora!

26.5.40 cont. Ballyhealy, WH. cont.

Euphorus of [illegible] ♀(?), out [illegible]

E. of xanthopus [illegible] 3 [illegible], out 21 & 18, [illegible]

Microctonus of [illegible], 2♂♂, out 21 & 22.

Leiophron [illegible] ♀, out 23; [illegible]

Tanycarpa [illegible] ♂, out 24; [illegible], [illegible].

Phaenocarpa conspurcator ♂, out 29+, bitten off

Ph. flavipes ♀, out 29.

Aspilota of small [illegible] (?), ♂, [illegible], out 34.

A. of [illegible], small ♀, out 16, [illegible]
A. [illegible] [illegible], small ♀, out 18, rather than [illegible]

A. do do - do, large ♀, out 19.

A. (D.) [illegible] ♀, out 18.

A. (Synaldis) sp. ♂, out 31 [illegible]

Dacnusa of [illegible] lateralis, but only 36-seg. ant.; [illegible]
[illegible] specially [illegible] [illegible].

D. (Polemochartus) sp.? ♂(?), out 29. [illegible]
[illegible] aquilegiae [illegible], but [illegible]

Rock (Balytell) 1 =

27th – 31st May 1940 : Drumgoff holiday. Co. Wi.

On 27th drove from Dublin ([illegible]) to Laragh, stopped at Derrybawn glen for half [illegible] & [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] collected, [illegible]; then on via Military Road to Drumgoff. In afternoon collected along the side of Clohernagh glen, behind the barracks at Drumgoff.

On 28th spent morning collecting along right bank of Avonbeg below & above bridge & [illegible] hill of trees [illegible] east of barracks at Drumgoff. In afternoon took car to foot of Glenmalure, [illegible] & [illegible] up the path to the Kelly's Lough, [illegible] [illegible] & back. Weather threatening & hardly an insect seen, in fact only one [illegible] collected near shore of lough. collected larva of [illegible], [illegible] along river. See p. 270, & also p. 77 → — in [illegible]

On 29th collected in [illegible] on left bank of "Ballyboy River" just above & below Carrawaystick Br. behind hotel Drumgoff & up to forestry plantation.

In afternoon took a [illegible] along the Carrawanagh road behind the barracks & in evening explored Carrawaystick, alt. 1496 ft., where many [illegible] of [illegible] [illegible] up to ca. 1200 ft.

On 30th collected in morning in fir plantation in angle of roads to Rathdrum & Laragh & [illegible] the ride between it & new plantation at Carrawaystick bridge, but did not manage [illegible] [illegible] as on 29th.

In afternoon went to the foot of Drumgoff [illegible] & collected in old native wood, oak, ash, hazel, birch, rowan, thorn, holly [illegible] at foot of glen & up to the [illegible].

On morning of 31st went back to that place & collected till lunch time, after which drove home to Dublin via Rathdrum.

27th May 1940

Glen at Derrybawn, Laragh, Co. Wi.

, 600 ft P.M.

Only [illegible] [illegible] 1940 & then [illegible] 20/11/42

27. 5 40 Goorybun, W1 cont

Orthocentrum ♀ 1st (Collected 26/5/40)

27. 5 40 Goorybun, W1 cont.
Alyxia microgyne ♂ (Collected 26/5/40).

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27. 5 40, afternoon, 5 till 7 P.M.
Glen of Blackwood Creek, Koongoff, C. W.

27.5.40, aft. cont. Glenmalure glen, Wi cont.

Dacnusa sp.? ♂ ([illegible]), [illegible]

28th May 1940.

Drumgoff, river bank & barracks, Co. Wi. 10.30–1.0 AM PM

Collected larvae of Sawflies & microlepid. off Salix along river from which flies began to emerge on 12.4.1941 — see p. 270 →

[Most insects put into store in paper & only 10 mounted: these labelled |Glenmalure Co. Wi. AWS 28.5.40| on 21/1/42. AWS]

Bassus [illegible] a nice ♀.
Stenomacrus [illegible] a ♀: this specimen runs to [illegible] = Schmied., but does not fit.
Bracon epitriptus 2 ♀♀: these agree better than most with the description [illegible] side of [illegible]. AWS 21/1/42.
Earinus [illegible]! ♀
Biosteres procerus Wesm. (= [illegible], doubtful)
B. procerus Wesm. ♂.
Aphaereta tenuicornis ♂.
Aspilota [illegible] ♀.

Also Meteorus [illegible]? ♂ bred from larva on Salix, which spun [illegible] on 8.6.1940 & emerged on 15.6.1940!

25th May, 40, cont. Drumgoff, Wi., cont.

25th May, 40, cont. Drumgoff, Wi., cont.

25th May 1940. Garden & glen behind Glenmalure Hotel, Drumgoff, Co. Wi. Several nests of Lasius fuliginosus at roots of old oaks & foot of gate

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25th May 1940, aft. Carrawaystick Brook & Kelly's Lough, Co. Wi.
1♀ B. [illegible] near shore of Lough

29th May 1940. Both banks of Ballyfinboy Riv.
above & below Borrisokane Br., Tipperary, Co. N.
1 = Right bank, above bridge. 10.30 a.m.
2 = Left bank below bridge. 1.0 p.m.
[1♀ only mounted, all from station 1 & those labelled 29.v.1940, also one Proctos taken on rock with Leucania pallipennis in hotel garden; this not picked up in paper.] Labelled Borrisokane Co. N.T. A.W.S. (1) 29.5.40

Arge pusipes 2 fine ♀♀ (? in bird)
Empria liturata? ♂.
Croesus septentrionalis? ♂, with ? deformed hind femora.
Pteronidea fusiarina Forss. ♂.
Melanichneumon monostagon & luctuosus ♂, with black scutellum
Holomeristus? ♀, 20 seg. ant. = ♀ sp. or [illegible] (? [illegible])
Campoplegid, black ♀, long terebra = ? [illegible]
Pimpla? ♂, size of N. 3.R.P.

Bracon satanas? 2♂♂, 1♀, with 36, 37 & 31 seg. ant.
Leiophron (? edentatus Hal.), a small ♀, with very short 23 seg. ant.

Ichneutes reunitor 2♀♀.
Tarpicampa sicula ♂.

29.5.40 cont. Ballyfinboy Riv., cont.
Dacnusa [illegible] ♂ & ♀, both with 29 seg. ant.
Aneuta? [illegible] [illegible], a beautiful ♀, with 22 seg. ant.

29. 5. 40, cont. Ballyfreed Br., Wly, cont.

29. 5. 40, cont. Ballyfreed Br., Wly, cont.

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29. 5. 40, afternoon. [see mounted & then labelled 21/12/40]

Insects taken by sweeping [illegible] road, [illegible], Co. Wl.

[illegible] Co. Wl. 29. 5. 40 P.M.

Cryptid ♀ =

Homotropus flavolineatus ♂ [illegible] [illegible] large ♀

Agrypon ♂ + ♀ = [illegible]

Rhogas ♂

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30th May 1940. Fir plantation, [illegible], Co. W.
(10.30 – 1.0 P.M.)

[46 std. & those labelled [[illegible] 30.5.40 AM] 24/11/42 AWS]

Pimpla flavicornis? ♂
Mesoleptus? sp.? J.F.P. (= [illegible])
Promethes laticarpus, a beautifully coloured ♂.
Homocidus pictus? a diminutive ♀, with rather long [illegible] 21 seg. ant. (? the sp.)
H. pallipes, a fine [illegible] ♂.
Polyblastus, red abd., black hind femora, [illegible] stripe, [illegible] 3♂♂, 3♀♀, (18 seg. [illegible])
=
Proclitus ♂.
Plectiscus ♀.
[illegible] ♂

[illegible] ♀
[illegible] ♀, [illegible] similar colour of [illegible], but size of [illegible] red, [illegible] part of mesopleura [illegible] 40 seg. ant. to 42 of [illegible] ♀ [illegible].

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30.5.40 cont. [illegible], [illegible] cont:
Euphorus [illegible]
Microctonus of [illegible] ♂ ♀, both with 22 seg. ant.
Leiophron [illegible] ♀♀, with 25 & 26 seg. ant.

[illegible] first [illegible].
[illegible] ♀ with 26 seg. ant.
[illegible] 24 seg. ant., [illegible]
[illegible]
[illegible]. Type! AWS 25/11/42 See also p. 92 →
[illegible] seg. ant.
[illegible] with only 20 seg. ant.

[illegible] group (14 examples, [illegible] 10♂♂, 2♀♀ [illegible], 1 [illegible] [illegible] 26 seg. ant. [illegible] differs from the rest, [illegible]

D. [illegible] ?
D. glabriculus [illegible] 1♂, with 30 seg. ant.

POST CARD

CARTE POSTALE

K

KODAK

Ben Eay from
between Kinlochewe
& Loch Maree.
Photo
G.M Stelfox.
3.7.39.

In foreground is some
of my collecting ground
on 3rd July 1939.

84

30th May 1940. Fir plantation, Drumgoff, Co. W.
(10.30 – 2.0 P.M.)

[46 [illegible] & these labelled [illegible] 30. 5. 40 AM 24/11/42 AWS.]

Pimpla [illegible]? ♂

Mesoleptus? sp.? T.F.P. ([illegible] Hal. [illegible])

Promethes [illegible], a beautifully coloured ♂.

Homocidus pictus? a diminutive ♀, with rather long slender 21 seg. ant. (? the sp.)

H. pallipes, a fine robust ♂.

Polyblastus, red abd., black hind femora, coloured stigma, ♂: 3♂♂, 3♀♀, ([illegible])

=

Proclitus ♂.

Plectiscus ♀

Adelognathus brevicornis? ♂

Phygadeuon [illegible] ♀

P. [illegible]? dark var. ♀, [illegible] similar [illegible] of [illegible], but [illegible] of [illegible] [illegible] the red, [illegible] part of [illegible] [illegible] & of [illegible] [illegible], 20 seg. ant. to [illegible] of [illegible] ♀ [illegible].

85

30. 5. 40, cont. Drumgoff, [illegible] cont.

Euphorus [illegible] [illegible]

Microctonus sp. with [illegible] ♂♂ & ♀♀, both with 22 seg. ant.

Leiophron [illegible] 2♀♀, with 25 & 26 seg. ant.

Opius [illegible] Hal. ♂ – the first I have taken outside Glenasmole, Co. Dn.

Aspilota [illegible], a small ♀ with 26 seg. ant.

A. [illegible] Sp. n. ♀, with 32 seg. ant., dark, [illegible] legs deep red [illegible], [illegible], [illegible], stout ([illegible]) Type! AWS 25/11/42 See also p 92 →

A. [illegible] ♀, with 17 seg. ant.

A. [illegible]? a small ♂ with only 20 seg. ant.

Dacnusa sp.? belonging to the [illegible] group (14 examples [illegible] with ant. 36 to 39 segmented. 10♂♂, 2♀♀ [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible], [illegible] 35 seg. ant. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] the [illegible], [illegible] [illegible] [illegible] variable species.

D. [illegible] 1♀

D. [illegible] 1

D. [illegible] with 1♂, with 30 seg. ant.

86.

30. 5. 40. Fir Wood, Brumyff, C.W. cont.

87.

30. 5. 40, aft. 3.30 – 5 pm.

Sandbank foot of Brumyff Wood, C.W.

[The specimens mounted & then labelled [illegible] 28/11/42 [illegible]]

[illegible] ? ♂ =

[illegible] [illegible] ♂

Empis [illegible] 2 ♂♂

Crypta ♀ =

Chalcidid 1 [illegible] [illegible] ♂.

Tricholina podagrica? 1, [illegible] [illegible] [illegible]

[illegible] 3 examples = [illegible] pictus ♂ [illegible] [illegible]

E. notata (♂)

E. of ? near [illegible] (♂), leg [illegible] antennae, [illegible] spots on [illegible], same as taken at Oldham 24/5/37

[illegible] (? [illegible]) ♂ {Gen. et sp.? ([illegible] & [illegible]) [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] A.W.S. 27/11/42.

Tryphon [illegible]? 1

[illegible] [illegible] ♂ Anthomyia [illegible] Th. ♂, A.W.S. 1941.

[illegible] 1♀

[illegible] 1♀

[illegible] [illegible] ♂, [illegible] [illegible] [illegible].

[illegible] sp.? ♀ of [illegible] [illegible] [illegible], [illegible]

[illegible], [illegible] [illegible] [illegible] & [illegible]

30.5.40, aft. Brungoff Brook, W. end.

Microctonus [illegible] 2 ♂♂, 22-seg. ant.

M. '[illegible]' 1 ♀, 18-seg. ant.

Meteorus 4 ♂♂ = [illegible] 20 ♂♂ [illegible] 31-seg. antennae

B. [illegible] ♂, with 33-seg. antennae

B. [illegible] ♂ [illegible] 31-seg. ant.

Leiophron edentatus ♀.

Opius 2 ♂♂ = cingulatus 2 ♂♂, with 24-31 seg. ant.,
one with [illegible]

O. 'communis' ♂, with 21-seg. ant.

Phaenocarpa conspurcator 2 ♀♀, [illegible]
[illegible]

Aspilota (Synaldis) of distracta ♂, with 22-seg. ant.

A. 'nervosa' ♂ with 20-seg. ant.

Dacnusa erythra ♂, ant. 31-seg.

D. 'sodalis' ♀, 22-seg. ant.

Two Campoplegid cocoons taken, from which 2 ♂♂ ichn. emerged sometime in June following (i.e. 1940)

=

30.5.40, cont. Brungoff Brook, W., cont.

90.

31.5.40 aft. [illegible] Wood, Wly, cont.

31st May 1940. [illegible] [illegible] glen, [illegible]
[illegible] in [illegible] afternoon. 10.30 – 1.0 BM.
Hot, [illegible] with [illegible] [illegible], [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] in glen.
[31 mounted & then labelled [illegible] 31.5.40. 28/11/42 [illegible]]

[illegible] ♂ △ ♀
Platypalpus pectoralis ♂♂♀
[illegible] pallipes ♀ ♂ [illegible] [illegible] [illegible] [illegible]
Empis flavomaculata ♀.
[illegible] ♀♀ ♂
[illegible] alpinus ♂
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] ♀

[illegible] sp [illegible] ♂♂♀ [illegible] 31 & ♀ [illegible] [illegible]
[illegible] ♀ [illegible]
[illegible] ♀ [illegible]
[illegible] [illegible] } [illegible]
[illegible] ♀ }
[illegible] sp ♀ ?
[illegible] sp ? [illegible] [illegible]
[illegible] sp [illegible] ♀ [illegible]

Ju. 5 '40. cont. L[illegible] Beach, N.Y., cont.

[illegible] ♀

[illegible] Coll. ♀

C. [illegible] ♀

Adalia [illegible], large ♂, with 29 eg. ent.

Aspilota [illegible] ♀, with 22 eg. ent., with [illegible] carried on two bones & a [illegible], with dorsal face [illegible] between them, [illegible] the [illegible] type of [illegible] — [illegible] ent.

[illegible] [illegible] a fine typical ♀ with 29 eg. ent., also a smaller, dark ♀ with only 27 eg. ent. & [illegible] at base of tergite 2, [illegible] [illegible], [illegible] ♀.

D. [illegible] ♂, with 16 eg. ent.

D. [illegible] ♀ & large dark ♀, with 33 eg. ent., 3 [illegible].

D. [illegible] ? ♀ with 32 eg. ent. ([illegible])

D. [illegible], [illegible], [illegible] ♀♀, with 36 & 37 eg. ent.

D. 5 '40, L[illegible] Beach, N.Y., cont.

31. 5. 40, cont. [illegible] Brook, ll, cont.

3rd June 1940. a ♂ Aspilota ruficornis taken in [illegible] garden, 10 St. James's Terrace, Clonskeagh, Co. Du.

96.

5th June 1940. The fifth out of many of scorching days – sunshine with cool E. breeze.

Down to Glenasmole in late afternoon (4 P.M.) & stayed until 9 P.M. Swept four areas, as follows:–

1. Plantation strip to N. of road about middle of S. side of lower reservoir.
2. Upper part of path from Moore's to upper dam.
3. Lower part of same path & nearby lane W. of waterworks boundary about 100 yards above (S.W.) Moore's house.
4. W. side of upper dam, under trees, below same & to ford & down river under trees, etc., to flat between Moore's house & river. [14 kept from 1, 16 from 2, 20 from 3, & 15 from 4, all labelled 2/10/40 at night.]

Glenasmole, Co. Dn.

[illegible] ♂ at 4.

[illegible] ♀ at 4

57.

5.6.40, cont. Glenasmole, &c., cont.

Mesoleius? ♀ at 1, another ♀ at 2; a ♂ at 3.

Stenomacrus ♂ at 1.
" ♂ at 3.

Orthocentrus sp. ? ♂ at 2, with [illegible] [illegible].

Stenomacrus sp. ? ♂ & ♀ at 1

Homotropus [illegible] ♂ at 1.

H. pectoralis 3 ♂♂ at 4, the [illegible] [illegible] [illegible] [illegible] & the other with the [illegible] [illegible] [illegible], as in [illegible].

Polyblastus? sp. [illegible] ♂, ♀ at 3, [illegible] [illegible] [illegible] [illegible]

98

5.6.40, cont. Glenmark, Div. cont.

[illegible] [illegible]? ♂ at 2

Entechnia? [illegible]: ♂ at 3, with 24-seg ant.

[illegible] ♀ at 4, ant. 25-[illegible]

[illegible] [illegible], ♂ at 2.

[illegible] [illegible]: 2♂♂

Rhogas nigricornis 2♂♂ at 1, + a [illegible] ♀ at 2.

R. [illegible] ♂ ♀ at 1.

R. [illegible], dark var.?, ♂ at 3.

Apanteles of [illegible] [illegible]? ♀ at 1

Ap. sp.? ♀ at 3 ([illegible] [illegible], but [illegible])

Microgaster marginatus nees? ♂ at 2, [illegible] [illegible]

Meteorus [illegible] ♀ at 3.

Pygostolus sticticus ♀, at 2

Blacus [illegible]? ♂, at 2, + another ♂ at 4.

99.

5.6.40, cont. Glenmark, Div. cont.

[illegible]

[illegible] [illegible] ♂ ♀ at 2 [illegible]

[illegible] at 1

[illegible] at 1

O. [illegible] ♂ at 4.

Alysia tipulae ♂ at 2

Phaenocarpa conspurcator ♀ at 1

[illegible] 2♂♂ at 2, + ♀ at 3.

Aphaereta major 1 [illegible] ♀ at 1, also a ♂ at 2.

Ap. [illegible] ♂ at 1

[illegible] ♀ at 2.

A. [illegible] [illegible] ♀ at 2. [illegible]: ♂ at 1, with 20-seg ant.

A. [illegible] [illegible] ♀ at 2.

A. clara ♂ at 4, with 22-seg ant., but rather doubtful!

O. [illegible] [illegible], ♂ at 4, with 22-seg ant, also a ♀ at 1.

Coelinius [illegible] ♀ at 1, 30-seg ant., + a ♂ at 3, ant. 38.

Dacnusa spp.? 4♀♀ of the [illegible] group at 3; ant. seg. [illegible]

=

Dacnusa [illegible] P.T.O.

S. 6 [illegible] cont. Glencormac(?), Bray, cont.

[illegible] [illegible] a fine ♀ at 3, with 31–32-seg. ant.

[illegible] [illegible] 2 [illegible] with 30 seg. ant. [illegible] ♀ at 3?, ant. 31.

D. melanocera 2 ♀♀ at 2, with 34 + 35 seg. ant. D. [illegible] ♂ at 3

D. [illegible] ♀ at 2, with 30 seg. ant.

[illegible] ♀ at 4. [illegible] ♀ at 4

[illegible] ♂ at 3.

Rocks, 2 at 2;

Apanteles cf. [illegible], pale form? 3 ♀♀ at 3.

7th June 1940. The seventh very [illegible] [illegible], day [illegible] [illegible]. Drove, [illegible] & [illegible] & E. O'Mahony, to Powerscourt deerpark, & collected there from 11.30 A.M. to 5 P.M., but had luncheon & [illegible] driving into shelter for much part & greater part.

1 = [illegible], [illegible], [illegible] & [illegible] [illegible] [illegible]

2 = [illegible] [illegible] [illegible] from waterfall to glen on S. side of tributary valley, [illegible] below glen, [illegible]

Saw first Cleggs (Haematopota) of the season.

[23 from 1 + 13 from 2 [illegible] & labelled | Powerscourt Deerpark 7.6.40 | 7/6/40 [illegible]]

Dolerus germanicus & D. [illegible]

Loderus vestigialis ♀

Pristiphora [illegible] ♀? antennae [illegible] unusually slender!

7.6.40 cont. Powerscourt Deerpark Ichn. cont.

Ichneumon [illegible]? ♀ at 1; var. with almost black legs; head & antennae [illegible]

[illegible] cf. [illegible]? ♀ at 1 Promethes pulchellus ♂ at 2 & var. with [illegible] ♂ at 1.

[illegible] ♂ at 1 [illegible]

[illegible] [illegible] ♂ at 2 Orthocentrus [illegible]? ♀ at 2.

[illegible] [illegible] ♂ at 2. [illegible] ♀ at [illegible] with yellow [illegible], 33 seg. ant.

Apanteles circumscriptus? ♂, bred [illegible] from a white cocoon taken on a stem of grass.

Microctonus ♂ at 1, ♀ at 2. [illegible] [illegible] ♀ at 2

Opius geniculatus ♂ at 1. Aphaereta [illegible] ♀ at 1

Aspilota spp 5 at 1 + 2 at 2, as follows:—

A. [illegible]? 1 ♀, a small specimen, yet 19-seg. ant., very large head, &c. [illegible]

A. [illegible]? a nice little ♀ at 2, but antennae a bit long!

A. [illegible]? ♀ at 1, with rather slender 19-seg. ant.

A. [illegible] 1 ♀ at 1, with 19 seg. ant. A. [illegible] 1 ♀ at 1, with 18 seg. ant.

A. [illegible] & A. longicornis? 2 ♀♀, one at 1 like latter, one at 2 like former!

Dacnusa spp 4 at 1 + 4 at 2, as follows:

D. erythraea 2 ♂♂ + 1 ♀ from 1, 3 ♂♂ from 2, with, respectively, 32, 33, 32, 30, 31 + 34 seg. ant., the ♀ with, apparently, a faintly [illegible] stigma, yet I [illegible] the same [illegible] the ♂♂

D. [illegible] ♂ at 1.

D. melanocera? a small ♀ at 2, with [illegible] [illegible] [illegible], 23 seg. ant.

[illegible] [illegible] ♂ at [illegible]

[illegible] [illegible] ♂ at 1 with 13 seg. ant.; petiole with [illegible]

From cocoon of a Campoplegid taken this day a hyperparasite ([illegible] of [illegible] group) emerged on 11.6.40.

7. 6. 1940, cont. [illegible] [illegible] [illegible] etc.

8th & eight &
9th June 1940. The night clear, [illegible], [illegible] hot day in succession. Too hot to go hunting!

Garden, [illegible] with the [illegible], [illegible], etc. [illegible] in [illegible] first.

[illegible] seen, [illegible] common, [illegible] much larger than the others, [illegible] [illegible], [illegible] as during season 1939, very [illegible] of the late [illegible] in the evening.

Saw in garden

Megachile centuncularis ♂♀

Megachile [illegible] ♂
M. ♀
Perilampus [illegible] ♀
Hemerida ♂ ♀, look like an "all black" var of tricolor!

Several [illegible] [illegible] [illegible], several

104

10th June 1940. The first cloudy day since 1st June, cooler.

Westropp's garden, 10 St. James Terrace, Clonskeagh, Co. Dublin

On Salix cinerea, several stung Aphids from which 3♂♂ + 1♀ Aphidius salicis Hal. subsequently emerged from 2th–11th June 1940.

On apple: 1 stung nymph of Psylla? from which a tiny Chalcid emerged on 4.7.1940 =

Running on [illegible] & mixed [illegible] of Anchusa, Opius clarus ♀

Many of these Anchusa [illegible] brought home from which both ♂♂ & ♀♀ subsequently reared later in the summer ( ) & during May 1941 (27th May [illegible])

On Salix cinerea by 3rd gate, many nematid larvae on their second branch & these brought home & fed on Salix in my garden.

Ich. Panisceus ♀ ♂

Opius clarus a very fine ♀ at Anchusa with 35-seg. antennae (See above)

On Salix cinerea, under leaf, a stung, winged, aphid resting on a pancake-like cocoon from which on 1.7.4 a ♂ of Dyscritus planiceps emerged, the ♂ being all black & not coloured as in the ♀.

Also 2 Hemiptera =

105

12th June 1940. Cooler, NW-W breeze, s/s. some rain at night (first rain with us since 1st June) & with several slight showers of rain in afternoon.

Altidore, just below Kippure House, upper Liffey, Co. Wicklow, as often in previous years.

1 = between main road & military road.

2 = between main road & R. Liffey; mostly under trees by tributary stream.

[21 from 1 + 35 from 2 mounted & these labelled 1/5/1940 'A.W.S.']

Insects only plentiful on sparse vegetation under shade of trees; hardly any out in open & apparently none on birch, Salix or other trees. Perhaps many insects killed off by extreme heat of previous week!

Exenura ? ♀ at 2. Empria [illegible] ? ♂ at 2.

Cryptinae [illegible] ♂ at 1 =

Polysphincta gallicola ? ♀ at 2, [illegible]

Stenomacrus ? ♂ at 1.

Stiphrosomus [illegible] ? ♀ at 2

Trichobotrus [illegible] ? at 2

Stenomacrus [illegible] ? 2 ♂♂, with 27-seg. ant. at 1

St. [illegible] 1♀, with 23-seg. ant. at 1.

16.

12. 6. 40, cont. [illegible], Ml., cont.

Hemiteles [illegible] ? ♀ at 2, [illegible]

H. [illegible] ♀ [illegible]

Plectiscus 1 ♀ at 1, & another ♀ at 2.

Rhogas rugulosus ♂ at 1, antennae broken: this is my first & the second bred specimen of this genus I have seen. The first was bred (from dead larva of Acronycta rumicis ?) taken by R. C. Faris on a Knapweed head at Cave Rd., CV, on 14. 2. 1937 & emerged on 20. 6. 37; it was a ♀.

Apanteles fulvipes ? ♂ at 1. Apanteles sp. ♂ at 2.

Microgaster cf. [illegible] ♂ at 1, with 22-seg. ant.

Meteorus deceptor: a magnificent ♀, at 1, with 40 seg. ant.; expanse c. 12 mm.

M. filator: a large ♀, at 2, with 25-seg. rather long antennae, yet I think this sp.

Bracon [illegible]: a tiny ♂ with 21-seg. ant., at 2

Opius communis ♂ at 2, with 24-seg. ant.

O. [illegible] ? a small ♂, with 27-seg. ant., at 2.

Phaenocarpa tabida ♂ at 2, with 21 seg. ant.

Aspilota [illegible] Hal. a minute ♀, with 17 seg. ant., at 1

A. [illegible] ? ♂ at 1, 3 ♂♂, 1 ♀ at 2; with resp. 17, 17, 18 & 18 seg. ant.

A. [illegible] ? ♀ at 1, with 15-seg. ant.

A. [illegible] ♂ at 1, ♂ & ♀ at 2, with resp. 21, 21 & 19 seg. ant.

A. [illegible] ? ♀ at 1 & another at 2, with resp. 24 & 25 seg. ants.

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(17)

12. 6. 40, cont. [illegible], Ml., cont.

Aspilota [illegible] ♀ at 2 with 22 seg. ant. Longer than body. Type! A.W.S. 10/12/1942.

A. [illegible] ♀ at 2, with 22 seg. ant.

Dacnusa [illegible] Hal. ♀ at 2.

Dacnusa [illegible] ♂ at 2, with 28-seg. ant.

D. [illegible] ♀ at 2, with 27 seg. ant. D. [illegible] 2 ♀♀ at 2.

D. [illegible] ♂ at 1 (ant. broken at 29th seg.). D. [illegible] ♀ at 2.

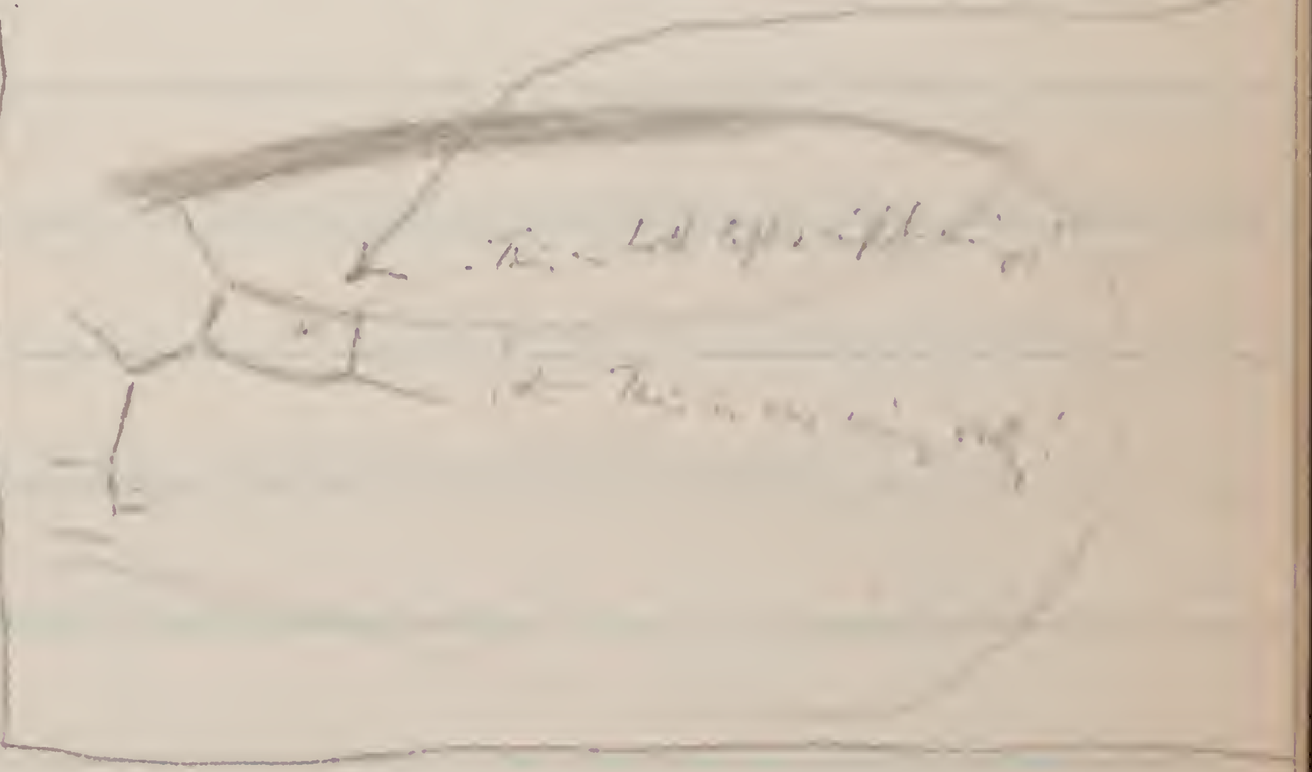
D. cf. [illegible] Roth. ♂ & ♀ at 1, with, resp., 24 & 22 seg. ant.

D. cf. [illegible] ♂ with 23-seg. ant. & fused neuration in forewings

D. cf. ? near [illegible] ♀ at 2, freshly developed & wings crumpled, with 27 seg. ant. =

D. affinis var. ♀ at 2 with 24 seg. ant.

D. [illegible] ? ♀ at 2, with 23 seg. ant.



Trioxys centaurei ? ♂ at 1.

Aphidius sp. ? ♀ at 1.

Proctos. 4 at 2 = Exallonyx minimus ♀.

17/6/40. A ♀ Apanteles xanthostigma, taken in 1940 on curtains at home & labelled "Co. Dublin".

13th June 1940. Caught small black Dipteron apparently attacking a ♀ Sigalphus pallipes, the latter [illegible] 'dead', in garden, 14 [illegible] Rd., [illegible], Dub.

15th June 1940. E. O'Mahony caught a small black Dipteron eating a ♀ [illegible] [illegible] at Ballymount, Co. Dub. Both mounted on same card!

16th June 1940. A fine day, dull in forenoon, sunny in afternoon, with a strong cool N.E. breeze, after some rain on previous day.

Devils Glen, Co. Wicklow.

1 = side of river & road up glen as far as ruined (middle) lodge.

2 = above last & as far as tributary stream above ~~waterfall~~ zigzag road

Ichneumonidae very abundant, but Braconids scarce, except just above gate at foot of glen, where [illegible], & most small insects taken about this place

[55 from 1 mounted, 17 from 2, & those labelled 11/12/40 et seq. A.W.S.]

Perithous quadricolor ♂♂, at 1

Anteon ♂ at 1.

Tenthredella livida : an all black ♀ at 1

Tomostethus ephippium ♀, all black var. at 1.

Cratichneumon rufifrons ♀ at 2.

Diadromus (?) troglodytes ♀ at 1.

Alomyia debellator, a red ♂ at 1.

Cryptus ♂ (cf. dianae) at 1.

Stilpnus pavoniae ? ♂ & ♀ at 2.

Pimpla (Apechthis) [illegible] Th., a beautiful ♀ at 1, with [illegible] cut.

16. 6. 40, cont. Devils Glen, Wi. cont.

Ephialtes cf. tuberculatus, ♂ at 1.

Bracon cf. [illegible] red ♂ at 1.

Orthocentrus asper ? ♂ at 1. Stenomacrus [illegible] ♂ at 1, [illegible]

[illegible] ♀ at 1. Do. ♂ at 2, [illegible]

[illegible] ♀ at 2. Ophion ventricosum ♀, ♂ at 1, [illegible]

Campoplex cf. falcator ♀ at 1.

Holomeristus tenuicinctus ♀ at 1, with [illegible] cut, a dark var.

Entelechia [illegible] ♂ at 2.

Exothecid ♀ at 2, which has numerous [illegible] [illegible] very [illegible] [illegible], radius [illegible] [illegible] stigma, [illegible] [illegible] [illegible] in my Exothecid key [illegible] [illegible] sp. n., but specimen [illegible]. A.W.S. [illegible]

Exothecus polyommi Type fide M. Graham [illegible] a ♂ at 2, with [illegible] [illegible] 2 [illegible]

Aspilota cf. [illegible] ♀ at 1. [illegible] ♂ at 1. [illegible]

Microgaster cf. ? ♂ at 2.

Euphorus [illegible] ♀ & ♂ Type? at 1. [illegible] [illegible], as long as body, 26-segmented, slender, head [illegible] [illegible], [illegible] [illegible] [illegible], abdomen with [illegible] [illegible] stout, [illegible] [illegible] [illegible], [illegible] [illegible] [illegible], [illegible] [illegible] stigma, 1st abscissa of radius [illegible]. A.W.S. 12. 12. 40.

Microchorus cf. vitta ♀ at 1. Meteorus cinctellus ♀ at 2.

Meteorus abdominator ♀ at 2, with short [illegible], darkish [illegible], antennae bright testaceous on basal half.

Calyptus fasciatus ♀

Leiophron litoralis ♀. L. [illegible] ? ♀. both at 2.

[illegible] : a perfect ♂ at 1, with [illegible] very cut

110.

16.6.40, cont. Devil's Glen, Wi., cont.

Opius [illegible] ♂ & ♀, with, both, 27-segmented antennae.

O. [illegible] a perfect ♂ at 1 with 25 seg. ant. O. [illegible] a ♂ at 1, with 21 seg. ant.

Orthostigma (Gnaptodon?) cf. [illegible] ♂, with 22-seg. ant., at 1.

O. cf. [illegible] ? 1 ♀, with 23-seg. ant. & a ♂ with narrow, small stigma & 22 seg. ant.: possibly the ♂ of [illegible] at 1.

Aspilota [illegible] a [illegible] nice ♀, with 16-seg. ant., at 1.

A. cf. [illegible] a ♀, near the last-named large [illegible], 18-seg. ant., fully as long as body; these also not [illegible] at 1.

A. truncata a 2 ♂♂ at 1, agree well with type taken in same loc. on 6.[illegible].38, except in length & number of ant. segments, 25 & 27-seg. in these ♂♂, might also agree with [illegible] th. except for small [illegible].

A. [illegible] a ♂ at 1, with 26-seg. ant.

A. cf. [illegible] — [illegible] a ♂ & ♀, with 23 & 22 seg. ant., at 1.

A. [illegible] ?? a ♂ at 1, with small wings, [illegible], 21 seg. ant.

A. [illegible] ? ♂ at 2, with 19-seg. ant., head wide behind eyes & [illegible]

A. cf. [illegible] a 3 small ♀♀ at 1, with resp. 18, 19 & 19-seg. ant. [illegible]
{2 of these ♀♀ later proved to belong to [illegible]} [illegible]

A. dentifemur a 2 ♀♀ at 1, [illegible] 1943.

Also 3 Pezomachus at 1 & 4 at 2. [illegible]

Dacnusa [illegible] ? ♀ at 1, with 33-seg. ant.

D. [illegible] ? a small ♂ at 1, with mutilated antennae

[illegible] a nice ♀ at 1, with 25 seg. ant.

[illegible] ♀ at 1, with 14 seg. ant.

Ephedrus [illegible] ♀ at 1, with panels on propodeum ± regular & not smooth & polished.

Aphidius cf. ♀ at 1, with 17-seg. ant.

111.

14th June 1940. All morning, very hot, with E. breeze; some cloud. [illegible] & after our return home.

Glenasmole, Co. Dublin. (afternoon)

1 = under trees N. of hut on W. side of [illegible]
2 = " " S. of hut & for 100 yards.
3 = " " from 2 to hay-field above first clump of Carex aquatilis (? the sw. trap).
4 = said clump of Carex, at [illegible]
[illegible] & [illegible] ♂ [illegible]

[26 mounted from 1, 18 from 2, 14 from 3 & 1 from 4; these labelled 15/18/[illegible] [illegible]]

[illegible] at 1 =

Pimpla cf. [illegible] ♀ at 1

Polyblastus [illegible] 2 ♀♀, carrying young, at 1.

Polyblastus or [illegible]? ♂ at 1, not able =

Mesoleius ♂ at 1, [illegible] ♀, also at 1.

M. ? cf. ? [illegible] polished ♂ at 1

M. ? cf. ? , red, [illegible] ♂ at 2.

Stenomacrus [illegible] ♂ at 1, with 26 seg. ant.

Homocidus pictus ? ♂ at 1, with pale hind coxae.

H. pictus ? ♀ at 2, with black scutellum & red hind coxae.

Megastylus (or [illegible] ?) ♂ at 1 =

19.6.40, contd. Glenasmole, DU, contd.

Acerlia subfasciata ♀ at 1.

Apanteles pallipes? ♀ at 1. A. sp.? ♂ + ♀ at 3.

Euphorus [illegible]? at 1. E. pallidus ♀(?) at 3. E. pallipes ♂ & ♀ at 3.

Blacus [illegible]? ♀ at 1, ♂ at 2, B. trivialis? ♂ at 3.

Opius [illegible]? ♀ at 2, ♂ + ♀ at 3. O. [illegible]? ♂ at 2, with 37 [illegible]

Bracon [illegible] ♀ at 3.

Trachyusa aurora ♂ + ♀ at 3. [illegible]

Alysia cf. [illegible] a small ♀, with [illegible] 32-seg. ant. at [illegible]

A. tumida [illegible] small ♂, with 17-seg ant., at 1

A. tumida [illegible] ♂, with 20 seg, at 3.

A. [illegible]? ♂, with 27-seg ant., at 2

A. [illegible]? small ♂ at 2, with 24 seg ant.

Aphaereta tenuicornis ♂ at 2.

Dacnusa [illegible] ♂♂ + ♀♀ at 1, 2 & 3, 1♂ from 2 with 49-seg ant.

D. sp.? ♂ at 2, with 37-seg ant., [illegible] stigma, [illegible] second radius, tarsi = length of hind tibiae, differs thus from [illegible].

D. adducta 1♂ & 2 very large ♀♀ at 1, with resp. 37, 33 & 33 seg ant.

D. sp.? of Nixon [illegible]? ♂ at 4, with 34 seg ant nearly [illegible] length of whole body, [illegible] hind legs, [illegible]

D. ovalis? ♀ at 1, with 31 seg ant.

D. sp. near ovalis ♂ with 26 seg ant., at 2

D. [illegible] ♀, at 1, with stigma [illegible] 30 seg ant.

19.6.40, contd. Glenasmole, DU, contd.

Bracon [illegible] ♀, [illegible] seg ant at 3.

Aphidius [illegible] ♀ at 3, with 16-seg. ant.

A. [illegible] ♀ at 1, with 15-seg ant.

A. sp.? ♂ at 1, [illegible] antennae [illegible] of [illegible] ant.!

Proctos. 1 at 1, 3 at 2 + 1 at 3.

Hemiptera – Rhopalotomus etc 1

19th June 1940. Specimen of [illegible] like Diptera [illegible] aristata taken in garden, 14 Glenvill Rd., Harold's Cross, DU

21st June 1940. Small Procto. taken by E. O'Mahony at St. Anne's, Clontarf, Co. DU =

Note on breeding of Anilasta ebenina (?) from fasciolus larvae see p. 70, ante. 3♂♂ + 1♀ bred 15.6.40, 18.6.40, 19.6.40 (♀) & 22.7.40 (Scotland ♂), respectively, from [illegible] district, KD. (K.M. Dunlop) 1♂, Ballyheady, WH. (A.W.S.) 2♂♂, & Braemar, AB, Scotland (A.M. Gregory) ♀. All these are larger, ca 9–10 mm., than size of ebenina given in book, but otherwise seem to agree

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22nd June 1940. Cooler, [illegible] & [illegible] after rain in [illegible] & during night. Fairly warm day.

Sides of canal & field drain E & W of Lock at Landenstown Ho. Co. KD.

[Only [illegible] mounted & [illegible] labelled 19/7/40 [illegible]]

1 = edge of canal (N. bank) & field-drain, N. of road along canal, 1/4 mile West of Lock.

2 = side of canal (S. bank) along red-bed 300 yards East of Lock.

Blennocampa tenuicornis ? ♂ at 1.

Trichiocampus ~~[illegible]~~ ? ♂ at 1 = eradiatus ✓ R.B. Benson 11.3.43.

Colpomeria quadrisculpta ♀ at 2.

Homocidus bizonarius ♀ at 2.

Perilissus dispunctus or subcinctus ? ♂ at 1.

Mesoleius ? [illegible] ♀ at 1, with matt abdomen.

Bracon [illegible] n. ♀ at 1.

B. cf. fulvipes ? ♂ at 2, with 33 seg. ant. probably a dwarfed ex. of the species.

Opius cf. victus ? ♂ at 1, with 33-seg. ant.

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23.6.40, cont. Landenstown, KD., cont.

Aphaereta tenuicornis ♂ & ♀ at 1.

Aspilota cf. nitidus ? ♂ at 1, with varying 23-seg. ant. but [illegible] post-petiole!

Dacnusa [illegible] n. ♀ at 1, with [illegible] wings & 20-seg. ant.

D. [illegible] n. ♀ at 2, with 30-seg. ant. = ? large var. of [illegible] / [illegible].

D. pallidinigra n. ♀ at 2, with 26-seg. ant.

Coelinius cf. ! ♂ at 1, with 41-seg. ant. (? [illegible])

Aphidius cf. [illegible] 2 ♀♀ at 1, with 17-seg. ant.

A. [illegible] ? ♀ at 2, with 19-seg. ant., fits this sp. well but colour slightly darker than Marshall's (? bred series).

Hemipteron, very small sp. at 1 =

27th June 1940. A fine but dull day, warm, after two cold, showery days with gales from W. Rather strong SE wind in open, but insects common in sheltered places.

Glenasmole, Co. Dn

1 = by path from Moores to upper dam.

2 = sides of Slade brook channel, on this day dry, from upper dam to the first "tunnel".

3 = sand-flat at head of upper reservoir, around Salix bushes & chiefly amongst Eleocharis & Lythrum.

[12 from 1 mounted, 9 from 2 & 24 from 3; those labelled 27/6/40 AWS.]

Aphelopus melaleucus? ♂ at 2

Pteromidea oligospila? ♂ at 3. [illegible] ♀ at 2

Melaboris ♂ & ♀, at 3: abundant here!

Bracon satanas 2 fine ♀♀ at 2, with 33 & 36-seg. ant. & very dark wings.

Ascogaster instabilis entirely black (♀?) at 2.

Clinocentrus vestigator ♀ at 1.

Perilitus rutilus? 2 all black ♂♂ at 1 & 3, with 29[&28] seg. ant. [illegible]

Meteorus abdominator ♂ & ♀ at 2.

M. pulchricornis? ♂ at 3, but with 34-seg ant.

Opius [illegible] (Hal.) Wesm. ♀ at 2, with 33-seg ant.

27. 6. 40, cont. Glenasmole, Co. Dn, cont.

Trachyusa aurora ♀ at 1.

Aphaereta tenuicornis ♀ at 1.

Aspilota procreta ♀ at 1, with 28-seg ant.

A. of ruficornis or nervosa ♀ at 1, with 22-seg ant.

A. [illegible] ♀ at 1, with 20-seg ant., head very like that of [illegible], but head not wider behind the eyes. A W S. 22/12/1942

A. nigricornis? ♂ at 1, with 24-seg. ant.

A. of [illegible] (♀ probably immature (white wings!)), with entirely testaceous 24-seg ant. at 2.

A. picticornis a beautiful typical ♀ at 2, with 17-seg ant.

Dacnusa [illegible] 2 ♂♂ at 1, with 35 & 29-seg ant

D. cytherea ♂ at 2, with 31-seg ant

D. [illegible]: abundant at 3 — mounted 5 ♂♂, 2 ♀♀ [illegible], all from 3, & 2 [illegible]

D. [illegible] nigra [illegible]: also common at 3, with [illegible] 4 ♂♂, 2 ♀♀ mounted, former with 26-27 & latter with 26-seg antennae

D. of? [illegible] group, ♀ at 1, with [illegible], looks like a minute [illegible], with 23-seg ant., but [illegible] small

D. obesa ♂ & 2 ♀♀ at 3, with 28, 29/30 & 31-seg ant. resp.

Aphidius [illegible]? 1 ♀ at 1, with short, 18-seg ant.

Chalcid, yellowish ♀ at 3 =

27.6.40, cont. — Glenasmole, Du., cont.

30th June 1940. A fine day, sunny all morning, with E. breeze.

Spent afternoon (2.20 till 6.0) in Glencree, Co. Wi., collecting for 1½ hours up tributary stream between Tonduff & Government Plt. & above old road from Deerpark to L. Bray; & for 1 hour in oak-pine wood below road at same place.

Bilberries ripe & abundant; [illegible]!

Glencree, Co. Wi.

1 = stream side above road (see above!)
2.30 till 4.15.

2 = oak-pine wood, below road.

[38 mounted from 1 & 36 from 2; those labelled 24/12/42 et seq. (ANS)]

Bombus agrorum, lucorum & jonellus ☿☿ very
Leptothorax acervorum, 1 winged ♀ at 2 ([illegible]).
[illegible] [illegible] at 1
Crabro dimidiatus ♂ at 1
C. varius at 1
C. [illegible] at 1 & 2, on [illegible] & dead branches

Pristiphora pallidiventris ♀ at 1.

120.

30-6-40, cont. Glanvilles, Wd., cont.

Ichneumon ♂ cf. [illegible], at 1

Cryptinae 1 at 1 & 3 at 2

? = Hemiteles ♀ at 1, clouded wings, long terebra.

Gen. et sp.? ♀, with short terebra, like Phygadeuon, at 2

=

Phygadeuonid ♀ at 2, 18 seg. ant., short wings

" ♀ at 2, 19 seg. ant.

Lissonota ornatrix? ♂ at 1. L. sp.? ♂ at 1, [illegible]

Phytodietus sp. ♂, at 1, [illegible] coloured.

Polyblastus [illegible] ♂ at 1.

Tryphon [illegible]? ♂ at 2.

Triclistus pallidipes ? at 2

Homocidus elegans v. reductus nov. ♂ at 1, abdomen almost black.

pedalis = [illegible] Holmgr.?

Stenomacrus cf. pallipes? ♂ at 1, 22 seg. ant.

St. cf. [illegible]? ♂ at 2, with [illegible] & 26 seg. ant.

St. [illegible]?? sp.? ♀ at 2, 21-seg. ant., darkish stigma.

St. brevis sp. nov. ♀ (+ ♂?) at 2, with 19 & 20 seg. ant. respectively.

Olesicampa sp. ♂ at 1

Canidia sp. 2 ♀♀ (1 at 1, the other at 2).

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30 6 40, cont. Glanvilles, Wd., cont.

[illegible] pallipes? 1, dark ♀ at 1. [illegible] ♂♂ [illegible]

[illegible]? small [illegible] ♀ at 2. [illegible] ♂, 2 ♀♀ at 1.

Apanteles [illegible]? ♀ at 1. Ap. [illegible]? ♂ at 1.

Sigalphus pallipes? ♂, with 23-seg. ant. at 2. Sig. caudatus? ♂ & ♀ at 2.

Perilitus ?, very small ♀, red head, at 2. Microctonus [illegible]? ♀ at 2, [illegible]

Meteorus [illegible]? 1 ♀ at 1. Blacus [illegible]? ♂ at 1.

Dacnusa capito ♂, 2 ♀♀ at 1. Opius singularis ♂ at 2. = [illegible]

Opius [illegible] ♀ at 1. O. [illegible] ♂ at 2. O. [illegible] ♀ at 2.
[illegible] seg. ant. [illegible] seg. ant. [illegible] seg. ant.

Aphaereta [illegible] ♀ at 1. Orthostigma [illegible] ♀ at 1, 18 seg. ant.

Aspilota [illegible]? ♂, with 21-seg. ant., at 2. A. [illegible]? ♂, 25-seg. ant., at 2

A. [illegible]? ♀ with 22-seg. ant., at 2. A. vulgaris? ♀, with 17 seg., very short ant., at 2.

A. (Synaldis) sp.? ♂ at 2, with 22 seg., long slender, ant.

Dacnusa [illegible] ♂ at 2, ant. 27-seg. D. [illegible] ♂ at 2, ant. 32.

Amitus? [illegible]? a very small ♀ at 2, with only 22 seg. ant.

Coelinius cf. [illegible]? a very small ♂ with long head, [illegible], & 36-seg. ant., at 1.

[illegible] [illegible] ♀ at 2.

Proctos. 2 at 1, 5 at 2 =

Chalcid. Stout, red sp. with [illegible] wings, ♂ at 1 =
" [illegible] taken in Scotland at [illegible] in June–July 1939.

Dipteron 1 at 1 = Pipizella flavitarsis, Meig. ♀.

For list of insects from Rothamsted Co. light trap taken by F.O.M. (see p. 124) on 30.6.1940

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3rd July 1940. Gusty day (NW) with rising glass, several showers, after a slight depression & some rain at night.

Drove to visit Revd. Chancellor S. Ridgeway, at the Rectory, Carlow, with Daisy; Mrs Ridgeway's niece Miss Flora McEachern, of a Scottish family, [illegible] in the early nineties stayed at [illegible] for several summers, [illegible] a kid.

Collected for 40 minutes by roadside about 2 miles S. of Castledermot on outward journey & spent the afternoon in Oak Park, Mr Bruen's, just N.E. of Carlow. Drove home via Rathvilly & Baltinglass, leaving Carlow about 6.20 & arriving home exactly at 8 o'clock.

Field, plantation & sunk ditch, about 2 mil. S. of Castledermot, Co. KD. 12.20 to 1.0
[24 insects mounted & these labelled 27/12/1942. AWS.]

C'dermot
Co KD AWS.
3.7.40

Anteon ♂, larger
Anteon ♂, smaller

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3.7.40, cont. S of Castledermot, KD. cont.

Polyblastus ♂, black femora, [illegible],
Mesochorus ♀.

Euphorus pallipes Thoms. [illegible] ?
Phaenocarpa picinervis ♀
Ph. conspurcator ♀.
Orthostigma maculipes ♀, very small, 15-seg. ant.
Aspilota [illegible] ♀ & ♂, with 18 & 19-seg. ant, resp.
A. [illegible]? ♂, 22 seg. ant., small.
G. [illegible]? ♀, 21-seg. ant., red petiole.

Ametria uliginosa ♂, 26-seg. ant.
Coelinius n. sp. Sligo? ♂, 40-seg. ant.

Aphidius [illegible]? (or pini?) ♂ small, only 22 seg. ant.
Aph. 2♂♂, 20 seg. ant., dark legs.

Proctos. 7 =

3.7.40, cont. S. of Castledermot, KD. cont.

See previous page

30th June 1940. Various stray aphids from Ballymount Co. Dub. collected on this date by E. O'Mahony on various plants in his garden.

On Parsnip. 2 ♂♂, 2 ♀♀, Aphidius dauci ?, em. 1.7.1940.

On Plantago lanceolata 1 ♀, Aph. ervi ? em. 8.7.1940.

On Rose. ♀, Aph. rosae ? em. 6.7.1940

& also ♂ on 9.7 & another ♀ on 14.7.1940.

On Tansy (Tanacetum vulgare) 1 ♀ Aphidius dauci ?, [illegible]. em. 4.7.1940.

3.7.40, afternoon. Oak Park, Carlow, Co. CW. mainly swept along sides N. of the lake

[Much is good collecting ground, but spoiled by high wind & no insects, patchy, some places yielding none. Must find scrub in places!]

[38 + 6 + 2 mounted & those labelled 29/12/40 or previously 'AWS'] (These were taken at edge of the lake!

Diadromus troglodytes ? ♀.

Stilpnus pavoniae ? ♂

Hemiteles ? red ♀, [illegible] =

Hemiteles or Pezomachus ? red & black ♂, [illegible] =

Pimpla melanopyga Grav. a beautiful ♀ swept along edge of lake, agrees exactly with Schmiedeknecht's description. New to the Irish list! A.W.S. 29/12/43.

Lissonota bellator ♀, by edge of the lake.

L. black ♂ highly decorated with yellow, cf. variabilis ?

Homocidus cinctus ♂

[illegible] ♀, by the lake.

Phygadeuon ?? ♀.

Mesoleius ♂

Hemiteles ♂

Plectiscus ♀, [illegible].

3.7.40, aft. cont. Oak Park, C.W. cont.

Bracon [illegible] ♂, by the Lake, with 31-seg. ant., [illegible]
B. [illegible] ♀, 25-seg. ant., [illegible], [illegible]
B. [illegible] ♀, 29-seg. ant. [illegible]
[illegible] very [illegible], [illegible]
Orgilus [illegible] ♀.
Rhogas [illegible] ♂, 29 seg. ant.
R. [illegible] ♀
Meteorus sp. [illegible]? 2 black ♂♂, with [illegible] & 34-seg. ant. legs very long & slender, [illegible]
M. scutellator ♂ & ♀
M. fasciatus 2 ♀♀.
Apanteles sp. [illegible] ♂, by the Lake
A. sp. [illegible]? ♂ by the Lake, ♀ elsewhere
Microgaster politus? ♂ & ♀

Aphaereta [illegible] ♀
[illegible] robusta [illegible] ♀, 21 seg. ant., short [illegible]

Aspilota atra? 3 large ♂♂ with [illegible], 27 seg. ant.
A. [illegible]? 2 smaller ♂♂, with 26-seg. ant.
A. [illegible]? a tiny ♀ with 15-seg. ant.

3.7.40, aft. cont. Oak Park, C.W., cont.

[illegible]
[illegible] = [illegible] sp. n. A.W.S. 27.2.1944. Type ♀.

Dacnusa sp. nr. [illegible], ♂ with 25-seg. ant. [illegible], with [illegible] at sides [illegible], head widened behind eye, nearly [illegible] sternaulus ? = ♂ [illegible] ([illegible]) Nixon 1945. ✓ AWS agrees!
D. sp. a smaller ♂, with [illegible] sternauli, 30-seg. ant. [illegible] near leptogaster

Roots. 4 =

Hemipteron: Trioza [illegible]
Dipteron: Chloromyia formosa Scop. ♂

7th July 1940. A fine day, but with showers; wind W., light; one very hot shower at.

Rye Water, Leixlip, Co. K.D. 10.30–12.15 AM.
(in museum in afternoon).

All insects [illegible] between road, canal & right bank of Rye Water. Collecting rudely interfered with by a drizzle between 11 & 11.30 which made collecting impossible for a short time. [52 mounted & then labelled 31.12.62 at reg. A.W.S.]

Halictus albipes ♂ seen.
Vespa rufa & vulgaris ♂ ♀ seen.
Andrena spp. [illegible], 1 ♀

[illegible] [illegible] ♂

[illegible] [illegible] ♂
Empis [illegible] group: 3 ♂ ♀ small medium & large sizes; [illegible]
P. [illegible] (= [illegible]) ♂ & ♀.
[illegible] [illegible] ♂
[illegible] ♂, [illegible]
[illegible] ?
[illegible] ([illegible] ?) ♂ & ♀.

7.7.40, contd. Rye Water, K.D., contd.
[illegible] ♂ & ♀.
[illegible], a small black ♂

[illegible] 1 ♀
[illegible] 1 ♀, [illegible]
B. [illegible] 1 ♀, [illegible]
[illegible] [illegible]
B. [illegible] ♂, [illegible] yellow, [illegible]
[illegible] 1 ♂
[illegible] ♂ & ♀
A. [illegible] ♀
[illegible] ♂
[illegible] ♂
[illegible] [illegible] [illegible], 1942)
[illegible] 1 ♀, [illegible], small specimen.
[illegible] 1 ♀, 24- [illegible]

7.7.40, cont. Rye Water, K.D., cont.

[illegible] 10♂ [illegible]

[illegible] 9♂, [illegible] pale legs.

[illegible] 1♂ 2♀ Types. [illegible] Det. 17.3.1941.

[illegible] ♂

[illegible] Type! Det. 1.1.43.

[illegible] 10♂, [illegible]

[illegible] ♂♂ & 1♀.

[illegible] 20♂♂, [illegible]

[illegible] common: only 1 mounted = [illegible]

[illegible] = [illegible] 30♂♂;

[illegible] 2 = "1 [illegible]"

Diptera 2 = 277 of Oxycera pygmaea Fallén.

Incidentally [illegible] abundant along the Rye Water.

10th July 1940. Pretty perfect day, after a depression & considerable rain the previous day & evening; vegetation still wet in shelter: nearly all morning, with gentle NW breeze, turning E. in evening.

Left home about 11 A.M. & drove to R. Liffey near Osberstown Ho., Sallins, where collected on steep bank between road & river for an hour: then on to canal below Kerdiffstown Ho. where collected for two hours: then on via Robertstown, Timahoe, Dunadea Castle to Maynooth; collected for a few minutes on roadside [illegible] W of Dunadea where road crosses the [illegible] leading into R. Blackwater; much interesting ground [illegible] the area: at 4.15 PM arrived at Moygaddy Ho. where the Misses Forster (owners of [illegible] Ho.) now live in a flat in old stable building & here after tea collected [illegible] & glen of [illegible] the Rye Water for nearly an hour. Home 8.30 PM.

10.7.40, cont. N. bank of R. Liffey above Sallins, Co. Kd.
11.30 till 12.15. [25 mounted & these labelled | Nr. Sallins Co. Kd. 10.7.40 | 2/1/42 AWS]

Cladius, or Trichiocampus sp.? ♀.

Cryptinae = Stilpnus pavoniae? 1 ; Exolytus 1;

Hemiteles , small dark ♀ ; Pezomachus ♂, winged, red abd.

Phygadeuon? 1 red ♀ =

Gen. et sp.? 2 ♂♂, 1 ♀ =

Orthocentrus sp. ♂. Perilissus ? ♀

Polyblastus pyramidatus ♀, very young. Mesochorus ♀, small.

Microplitis spectabilis : many ♀♀ here & at other localities this day!

M. mediana ♂.

Dicerpilus capito? 1 ♀, very small, with 21-seg. ant.

Aspilota fulvipes? ♂, with 22-seg. ant.

Aphidius ervi? ♀, with 19-seg. ant.

Proctos. 2.

Diptera :

Neuroptera (? Caddis Fly) - Chimarra marginata 1.

10.7.40, cont. S. bank of Grand Canal, ¼ mile below Lock at Landenstown Ho., Co. Kd.

1 = edge of canal. [17 mounted from 1 & 27 from 2 mounted & these labelled 4/1/42

2 = drains, roadside, & scrub under trees, just E of station. 12.40 till 3.0 P.M.

Myrmica ruginodis a single winged ♀ ... at 2.

Anteon spp. (2) ♀♀ at 1 & ♀♀ at 2.

Ichneumon ♂ at 1.

Phygadeuon ? ♀ a very small ♀, with large head & very short & stout, 17-seg. ant. at 2.

Hemiteles ? a brachypterous, with ... seg. ant., at 2.

" ? ♂, ... with large ... at 2.

Pezomachus ? ♂♂ at 1, winged, red abd.

Schizopyga circulator ♂, var. with abdomen entirely black, at 1.

Clistopyga incitator ♂ at 2 : the last two specimens are, respectively, & as far as I am aware, the 3rd & 2nd Irish examples! AWS. 5/1/1943.

10.7.40, cont. Landenstown, KD. cont.

1 Bassus annulatus ♂ at 1. Homocidus pectoratorius, a very small, nicely marked ♂ at 2.

Mesoleiid ♀, red abd., ant. 35-seg. at 2. =

Tryphonid, ♀, red abd., looks like Catoglyptus but not, at 1 =

[illegible] ♀ at 1. Mesoleius [illegible] ♀, red venter, at 1.

Bracon [illegible] sub 1 small ♀, ant. 27 & another small ♀, with ant. 23-seg. ant. both at 2.

B. fuscicornis ♀ at 1

Blacus of authors? 2 brachy-ptera ♂ at 2, ant. 21-seg.

Opius of Lewis? a very small ♀ at 1, with 22-seg. ant.

1 Phaenocarpa livida, a nice ♂ at 2, with 31-seg. ant.

Aspilota fuscicornis? ♂ at 2, with 18-seg. ant.

A. alacris? ♂ at 2, with 20-seg. ant., very near the last

[illegible]

A. spp.? 3 ♂♂ at 2, with 22, 23 & 23-seg. ant., all differing [illegible]

=

A. sp.? 1 ♀ at 2, with curious (? malformed) projection, the part above the ridge overhanging the apparently [illegible] part below; tubercle on abd., ant. pale, 20-seg., [illegible] of [illegible] [illegible]

Coelinius [illegible]? ♂ at 1, with 51-seg. ant.

Ephedrus plagiator a larger ♀ at 1 & 2 smaller ♀ at 2.

Aphidius [illegible] ♂ at 2.

10.7.40, cont. Landenstown, KD., cont.

Aphidius sp. ♀, 11-seg. ant. at 2. A. sp. ♂ at 2, 18-seg. ant.

A. sp. ♂ at 2, 17-seg. ant., [illegible] legs.

Rodos. 6 at 2.

Chalcid. 1 ♀, long tubes, at 1. =

Dipteron. Oxycera morrisii ♀ at 1.

10.7.40, cont. Roadside ditch, 3/4 mile W. of Donadea Castle estate (R. Blackwater) Co. KD.

[Only 9 mounted & these labelled 6/7/43 'A.W.S.']

Platylabus [illegible] (albinus) ♀.

Mesoleius? ♂, red abd.

Omorga? ♀

Euphorus [illegible] ant. 23-seg.

Aspilota cf. [illegible] ♂, ant. 20-seg., with [illegible], red petiol.

Dacnusa sp.? near [illegible] & smaller of that sp. 1 ♀, 20-seg. ant.

D. areolaris 2 ♀♀, with 29 & 31-seg. ant.

D. [illegible] common. 1 ♂ mounted.

10.7.40, afternoon. Moygaddy Ho., Co. Meath.
Fields & Glen, etc., behind house, 6-7 P.M.
[41 mounted (of which 6 only are Ich.) & these labelled 8/1/43 [illegible]]

Anticon ♂.

Cryptinae 3♂♂ = ? Phygadeuon sp.

Stenomacrus ♀, ant. 26, [illegible] post-scutel.!

Sagaritis sp.? larva ♀. Mesoleius [illegible] ♀

Bracon ? fulvipes 3♀♀, ant. 30 & 21 seg. B. epitriptus ♀, ant. 27

B. [illegible] ♂ ant. 29. Xenarcha lustrator 1♀, ant. 33.

Apanteles [illegible] 1♀. Microplitis spectabilis 1♀

Meteorus fragilis ♂, ant. 33. Blacus [illegible]

Opius [illegible] ♀, ant. 32 Alysia [illegible] ♂ ant. 42.

Phaenocarpa canaliculata, a beautiful ♀, ant. 26-29 segmented.

Aspilota spp. 7♂♂, 2♀♀ =

♂, no dimple, 18 seg. ant., ant. longer [illegible] [illegible]

♂ & ♀, wide head, no dimple, reddish, 17 seg. ant. = ? [illegible]

♂, wide head, smaller than last, no dimple, black antennae, 3 & 4 very slender & 4 almost longer than 3, 16-segmented = ? [illegible]

3♂♂, with ant. 20, 22 & 23, resp., much longer than body, dark = [illegible] ? or near th.

♂ & ♀, more robust than last, 23 & 19 seg. ant. resp., dark, 4th like 3 rather than 3, and ♀ darker, of ♂ about as long as body = vulgaris ? [illegible]

10.7.40, cont. Moygaddy, ME., cont.

Dacnusa [illegible] ♀, ant. 27.

D. [illegible] ♂, ant. 31.

Coelinius [illegible] ♀, ant. 30 segmented.

Aphidius 1♂ 2 & 4♀♀, ant. 21, 19, 19 & 17, respectively = ? [illegible]!

Praon volucre ? ♂ & ♀, ant. 22 & 20 resp.

Proctos. 4.
– Lygocerus ? 2♂♂

the Apanteles larvae left the host & spun up on 1.7.1940.

[12th-13th July 1940. 17 (♂♂ & ♀♀) Apanteles emerged from [illegible] of yellow cocoons [illegible] paralysed but caterpillar of Not. [illegible] from Athy, Co. Kd. by Rev. K.M. Dunlop. Even after the last Apanteles had emerged [illegible] the front part of the caterpillar [illegible] moved from side to side when touched. The Apanteles & cocoons are very like, but not, A. glomeratus =]

[10.7.40.) Garden at 14 Clareville Rd., Dublin ?
Bombus [illegible] a beautiful fresh ♂ [illegible]
>13.7.40. Homocidus lanceatorius, ♀ on white currant bush in Glen, [illegible]

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14th 7.0. 1940. A dull day turning to drizzle in the Glen about 3.30 PM, & general drizzle in town late. Wind E. in early morning, after a fine afternoon with [illegible] light & heavy [illegible] following a [illegible] heavy rain; about 10 AM wind dropped & a W breeze came up with sultry heat, by noon it was very hot & sultry with rain [illegible] over Lugnaquilla & before drizzle started temperature fell again & wind went round N.

[31 miles from [illegible] & 35 from 3 & then [illegible] 10/7/40 [illegible] 2.45]

Drove to Glen of Imaal, arriving at Coan about 12.30 noon, collected about the ford over Little Slaney, top launch (=1) then walked up same to [illegible] road on left bank at about 1,200 ft where collected till drizzle started at 3.30; then drove back & picked up road from Knockanarrigan to Stranakelly, drove along the latter to place just N. of the old barrack at Leitrim, then went up [illegible] & birch plantation for half an hour on E side of road, from which place a [illegible] view up N. Prison to [illegible] would be had on a clear day, & much good ground for collecting; [illegible] at 4.30 drove home via Donard

[illegible] Co. Wl.

Coan → = 1

Leitrim (2)/14.7.40 → = 2

Leitrim (3)/14.7.40 → = 3

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14.7.40, cont. Glen of Imaal, cont. Wl.

Bombus [illegible] [illegible] only seen.

Ammophila obturans, [illegible] up sandpit below [illegible]

[illegible] [illegible] [illegible] at 2.

[illegible] [illegible] [illegible] at 2

Pimpla [illegible] [illegible] at 2, [illegible]

[illegible] [illegible] at 2

[illegible] [illegible] at 2, [illegible] at 2. [illegible] at 2

[illegible] [illegible] [illegible], [illegible] off [illegible] at 3.

[illegible] [illegible] ♂ at 3.

Selandria morio ♂ at 2. [illegible] [illegible] at 2.

[illegible] [illegible] ♀ at 2. [illegible] [illegible] at 2.

[illegible] [illegible] [illegible] [illegible] [illegible], [illegible] at 2.

[illegible] [illegible] ♀ at 2. [illegible] ♂, at [illegible], [illegible]

[illegible] ?? ♂ at 1. [illegible] [illegible]

[illegible] [illegible] ♀ at 1. Hem. [illegible] [illegible] at 3

[illegible] ♀ at 2. [illegible] at 1

Pimpla [illegible] ♂ at 2. [illegible] [illegible] ♂ at 2

P. [illegible] ♀ at 2, & also a ♂ [illegible] at 2

Lepidoptera femorata ♀ at 2. L. [illegible] ♀ at 1. L. [illegible]

Phygadeuon [illegible] ♂ at 3. Diatomm [illegible] ♂ at 3.

Stenomacrus [illegible] ♂ at 1. St. [illegible] ♂ at 1. St. [illegible] ♀ at 1

ant. 22-seg. ant. 27 seg. ant. 28.

Tryphonidae 2 ♂♂ (1 at 1 & 1 at 2!) with 21 + 22-seg. ant. respectively

=

14.7.40, cont. Glen of Imaal, Wi., cont

Polyblastus [illegible] ♂♀ at 3.

Mesoleius 2 ♂♂ at 2, with 45 & 41 seg. ant. resp.

Bassus annulatus ♂ at 1. B. deletus? a nice ♀ at 2.

Homocidus longiventris ♀ at 1, black face with white [illegible]

Mesochorus ♂ & ♀ at 1. Agrypon ♂ at 2.

Leptocryptus? ♂ at 2. [illegible] ♂ at 1

Helictes ♂ at 1.

Bracon [illegible] ♀ at 1, with 22 seg. ant. B. fulvipes: a small dark ♀ at 2

Exetastes ♂ at 3, ant. 38-seg. Ex. ♀ at 3, with 32 seg. ant. a larger & more robust.

Rhogas circumscriptus Nees ♂ at 3, ant. 42 seg.

Apanteles ?pallipes ♂ at 2. Ap. ? ♂ at 2, with [illegible] abdomen [illegible]

Ap. ?impurus ♀ at 2. Ap. falcatus ♀ at 3.

Microgaster globatus? 2 ♂♂ at 2, but neither is decidedly [illegible] ♀ at these.

Bracon ?terminalis: a large ♀ at 2. B. [illegible] 2 ♂♂ at 3.

Alysia atra: a lovely dark ♀ at 1. Phaenocarpa [illegible] ♀ at 3

Aspilota ruficornis? Two ♀♀, with 23 seg. ant. at 3, & also 4 ♂♂ with 25, 25, 27 & 27 seg. ant. at 3, possibly same species, but proportions varying considerably in sculpture & some may be [illegible]!

A. ruficornis? 1 ♀ at 2, with red 1st tergite & 20 seg. ant.

A. [illegible]? ♂ at 1, with 19 seg. ant., & [illegible]

A. (Synaldis) concolor? 1 small ♀ at 1, with 18 seg. ant. & very bright red tergite 1, legs scarcely tinged with fuscous, but not yellowish testaceous.

14.7.40, cont. Glen of Imaal, Wi., cont.

Dacnusa elegantula? 1 ♀ at 2, with 29 seg. ant., neither [illegible] & rough, being [illegible]: this ♀ needs careful examination.

Bracon [illegible] ♀, with 19 seg. ant., small, at 1; another ♀ at 2, ant. 18 seg.

Ephedrus [illegible]: a nice ♀ at 2.

Trioxys [illegible]: a very nice ♀ at 3.

Aphidius ervi ♂ & ♀ at 1.

Proct. 5 at 1, 4 at 2, 12 at 3 =

Chalcids: a nice little yellow chap at 1.

A green & red ♀ at 2.

Gnat: at 2.

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17th July 1940. Another cold day, cold & stormy, W. wind, with several heavy showers & hail.

Drove, with Mr D. B. Bradshaw, to Glenmacnass & he, Laragh & I went up Tonelagee : spent most time round L. Ouler showing Mr B. the sedges & he looking for mosses, but I went up to summit to get him a root of Carex rigida. No hymenoptera seen all day except Bombus lucorum & agrorum & the ant Formica fusca on rock in big gully fully 100 feet above L. Ouler, i.e. circa 1900 ft. alt. On way up (1) and at lake (2) and above same (3) saw the following sedges :- Carex stellulata, goodenovii, pilulifera, binervis & panicea at 1; stellulata, panicea, oederi (?) at 2; pulicaris, binervis, pilulifera, oederi (?) & very fine panicea nearly 2 ft. high at 3. Then also saw good show of Saussurea & Alchemilla alpina on ascent.

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18th July 1940. Garden, 14 Clareville Rd., Harold's Cross, Dublin 8–9 P.M.

Crabro clavipes one (♀?) seen on White Currant bush at 9 P.M.

Tryphoninae on Heracleum, at 9 or so =

Oedimetopsis [illegible] ♂

Macrocentrus abdominalis 6♂♂, 1♀ taken with weaker, reddish form.

Colastes braconius ♂ : a common insect of the garden!

Bassus laetatorius ♀, with 22 seg. ant.

21st July 1940. A pleasant day, but showers & sniffs accompanied by strong bursts of N. wind hampered collecting, though hymenoptera very abundant in shelter.

Drove to N.E. corner of Glen of Imaal, Co. Wi., via Donard & collected in five places, as follows :-

1 = Sheltered bank : ash, beech, hazel, etc., bracken (S.g.) road, ½ mile E. of Ballinclea Ho. 12–12.30 noon

2 = damp meadow, with alder & Salix spp. S. side of road where it crosses tributary stream, ½ mile W. of Knickeen. 12.45 – 1.0 P.M.

3 = roadside near Knickeen & between angle of road & Stranahely. 2.0 till 4-0 P.M.

On the morning (10 AM) of 19th July Frog was seen in garden amongst [illegible] water [illegible] house.

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21.7.40, cont. Glen of Imaal, Co. Wi. cont.

4 = Plantation of Alnus glutinosa, A. incana & Betula, W. of road from Knickeen to R. Slaney

4.30 – 5.0 P.M. [illegible] from 5 & = 4-5.

5. = Plantation on E. side of road at same place as 4 (& same place as collected on 14.7.40, Station 3) [46 from 1, 8 from 2, 22 from 3, 49 from 4 & 5 & 38 from 5 mounted & then labelled 17/1/43 et seq. AWS]

Bombus lucorum ♂♂. B. agrorum

Psithyrus distinctus ♂♂

Andrena coitana [illegible] at 5

Crabro varius ♂ at 2

Mellinus arvensis ♂♂ at 5

Vespa norvegica ♀♀ at 2 & 5.

V. sylvestris ♀ ☿ at Scrophularia in bloom at 2 together with many of the Diptera

Odynerus [illegible] ♀, about [illegible] off Birch tree at NE angle of plantation at 5 {cf. with ♀ taken here on 11.8.40 →

C. ♂♂ frequent, at 2, 3/1, 4 & 5, [illegible] with the ♀, but?

Myrmica scabrinodis & winged ♂ [illegible] at 5.

Pristiphora ruficornis ♂ at 5.

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21.7.40, cont. Glen of Imaal, Wi., cont.

[illegible] ? ♀ at 5.

[illegible] ? ♂ at 2. [illegible] ? ♂ at 2.

Ichneumonidae := [illegible] ♀ at 2.

[illegible] ♂ at 3. [illegible] ? ♂ at 5, ♂ at 4-5.

Gen. et sp. ? ♀ at 2, [illegible]. Gen. et sp. ? ♀ at 5, [illegible].

Phygadeuon ♂ at 2. P. ♀ at 2.

Phygadeuon [illegible] ♀ at 1 =

Hemiteles ♀ at 1. H. ♀ at 4-5, [illegible] 21 reg.

H. ♀ at 4-5, [illegible] 22 reg. H. ♂ at 5

Atractodes ♀ at 1.

Pimpla ([illegible]) [illegible] ♂ & ♀ ([illegible]) at 3-4 & larger ♀ at 4-5.

[illegible] ? ♂ at 1.

Phytodietus 2♂♂ at 4-5 =

[illegible] ? ♀ at 4-5, [illegible]

[illegible] 2♂♂ at 4-5.

[illegible] 5 = ♂ at 1, [illegible] ♂ at 5 & 3♂♂ ([illegible] ♀) at 4-5.

=

Polyblastus [illegible] at 4-5.

Homocidus pectoratorius ♂

21.7.40, cont. Glen of Imaal, Wi., cont.

Exochus pictus ♂(?) at 5.

[illegible] ♂? [illegible], [illegible] 38 & 39.

Stenomacrus agilis? dark var. ♀

Eucerus sericeus Hal. 3♂♂ swept at 1.

Hemicryptus [illegible] ♂, at 2.

Campoplegidae 7 (1 at 1, 2 at 3, 2 at 4-5 & 2 at 5)

Mesochorus (?) ♂ at 1. [illegible] ♀ at 3

Mesochorus ♂ at 5, with 27 seg. ant.

M. ♀ at 5, [illegible] with 32-seg. ant.

Ophelton glaucopterum 1 beautiful ♀ swept off [illegible] below large birch tree on E side of plantation, N. of ride at 5, wings unfortunately tattered & antennae both mutilated. It was seen clinging to [illegible] before capture!

Megastylus crassulus? ♀, at 4-5, flying [illegible], [illegible] at 5. [illegible] at 1.

Plectiscus ♂ (ant. 21) & ♀ (ant. 20) at 1.

P. ♂ (ant. 22) at 4-5.

Megastylus ?? ♂ at 4-5, with 29 seg. ant. =

21.7.40, cont. Glen of Imaal, Wi., cont.

Bracon fulvipes 1 ♀.

B. epitriptus ?? 1 ♂, a small dark example, with dark legs, at 4-5, ant. 26-seg.

Colastes braconius ♂♂ & ♀♀.

Earinus 1 ♂ at 5, other ♂ & ♀ taken 14/7/40.

Rhogas rugulosus, 1 mutilated ♂ at 4-5.

R. circumscriptus group, 4♂♂, 2♀♀, all red legs & ♀ with red apex to abdomen, at 1 ♂ ant. 38, 39, 39 & 40-seg., ♀ 35, 35 & 39-seg., both pale all but apex, at 1. !

R. ditto group 2♂♂, at 4-5, darker than above, with [illegible] hind femora.

R. ditto ♂ at 5, ant. 45, entire head, [illegible] mesonotum reddish. R. ditto ♀ at 5, ant. 40, femora [illegible].

Apanteles xanthostigmus? ♀ at 4-5.

A. decorus? ♂ at 5 & ♀ at 4-5.

A. cf. infimus ♀ at 4-5.

Microctonus 1, ant. 18-seg.

[No Meteorus & no Euphorus seen!]

Eubadizon extensor ♂♂ & ♀♀.

Blacus ♂ at 5, ♀ at 1.

B. ruficornis? 2 mutilated ♂♂ at 5, very dark, & ? this sp., ant. 20 & 21-seg.

21.7.40, contd. Spec. of Insects, [illegible], contd.

Microctonus infirmus? 1♂, at 1.

Dapsilarthra [illegible]? 2 large ♂♂ at 1 & 3, with 36 seg. ant.

D. apii? 2 smaller ♀♀, at 1 & 2, with 32-33 seg. ant.

Gnaptodon pumilio, ♀ at 1.

Opius [illegible]? 1♀, the only Opius seen, at 1, with 23-seg. ant.

[illegible] [illegible]? ♀♀ at 1 & 3.

Alysia incongrua 1♀ at 5. Phaenocarpa conspurcator small ♀ at 1.

Pentapleura angustula? 1♂.

Aspilota spp. frequent 15 from 1, [1? from 2], 7 from 3, 15 from 4-5 & 6 from 5.

= [A. ruficornis 1♂, dead, in rotten wood at 2, but possibly left over from previous day's collecting.]

A. [illegible], atypical ♂ at 1, with 28 seg. ant. A. grandiceps? 6 ♂♂ 2♀♀, smaller than [illegible] are [illegible] referred to this sp. from 1 (2♂♂), 4-5 (3♂♂, 1♀) & 5 (♂ & ♀) ant. 26-28 ♂♂, 23 & 24 ♀♀.

A. crassifemur 4 ♂♂ & 6 ♀♀ at 1 (♀), 3 (♂), 4-5 (1♂, 4♀♀) & 5 (2♂♂, 1♀), ant. 25-27 ♂, 23-25 ♀.

A. clara 2♂♂, 1♀, at 1 (♂) & 4-5 (♂ & ♀), ant. 20, 20, 20. A. [illegible]? 4 ♂♂ (ant. 22-23), 1♀ (ant. 20), at 1 (2♂ ?), 4-5 & 5.

A. tumida (= radialis) 2 small ♂♂ at 1 & 5, ant. 21 & 19. A. [illegible], a nice ♀ at 1, ant. 21.
[illegible]

A. sp.? a small ♀ (1.5 mm.) at 3, with 18 seg. dark antennae & bright reddish legs [illegible]

A. fuscicornis ♂ & ♀ at 1, both with 17-seg. ant. [& also a similar ♀ at 1, with 17-seg. ant., both with simple [illegible]]

A. cf. fuscicornis with [illegible], ♂ at 4-5, ♀ at 1, both 18-seg. ant., head [illegible], [illegible] simple, [illegible]

A. minutissima ♀ at 4-5, with 17-seg. ant.

A. (Synaldis) cf. distracta ♂ at 1, ant. 23-seg. A. (Orthostigma) maculipes ♀ at 3, ant. 17-seg.

Dacnusa spp. rare

D. areolaris only 2 ♂♂.

D. [illegible]? 1

D. [illegible] 1♂

D. gilvipes 1♀ at 5

D. sp. nr. [illegible] but with long slender 29 seg. ant. pale at base & long narrow stigma.

21.7.40, cont. Spec. of Insects, [illegible], cont.

Coelinius cf. [illegible] 1♂, at 5, but with very slender, 40-seg. ant.

Bracon sp. a few; none mounted.

[illegible] frequent: none thought of interest; none mounted.

Proctos. very common: 15 mounted.

Chalcids 2
[illegible] 1
[illegible]

24th July 1940. A very fine day, with hot & falling barometer, but mostly all sunny, & the only shower did not come till 5 P.M.; wind strong & westerly, but glen sheltered.

Devil's Glen, Co. Wi. 11.30 A.M. to 5.45 P.M.

1 = sides of road up glen from lower to middle lodge (in ruins): i.e. left bank of river.
2 = island & right bank of river, a couple of hundred yards below fall: mixed wood, &c.
3 = swamp above & below road by tributary stream just above middle lodge gateway. left bank.
4 = roadside on way down glen, mostly ~ upper ½ mile (i.e. below mid lodge). left bank.
5 = under trees, &c., below entrance to glen (lower lodge) & near garden plot. left bank.

Bombus lucorum ♂♂ & ♀ ☿☿ [31 mounted from 1, 28 from 2, 5 from 3, 21 from 4, & [illegible] from 5 & then labelled 26.1.63 at [illegible]. A.W.S.]
B. agrorum ☿ ♀.
Psithyrus (probably distinctus) ♂♂ seen
Vespa spp. (? vulgaris, sylvestris & norvegica)
Myrmica ruginodis 1 & red ♀ [illegible].
Crabro styrius 1 ♀ at 4, close to ruined middle lodge.
Anteon sp. 4 ♂♂ – one each at 2, 3, 4 & 5.

24.7.40, cont. Devil's Glen, Wi., cont.

Ichneumonidae. ♂♂ very abundant everywhere, [illegible] mostly around [illegible] on umbellifers, Ichneumons & Cratichneumon.
Very few Ichneumonidae kept.
Sawflies. Selandria serva, Athalia spp. & one small black sp. (at 5) only seen: last = Fenusella pygmaea ♀ = Profenusa pygmaea ? v. R.B. Benson, 11.3.43.
[illegible] pellitornis ♂♂, [illegible] common, at 1.

Very few Braconidae & none kept, except 2 ♀♀
Hemiteles ♀ (?), red [illegible], dark [illegible], at 2.
P. [illegible] ♀ [illegible] at 2.
Pimpla turionellae group ♂♂ present, not kept
P. [illegible] dentata 1 ♂ at 3.
P. [illegible] 1 ♀ on willow at 4.

Polysphincta varipes ♂ at 3.

Lissonota ♂♂, 2 or 3 spp. at 1, 4 & 5.
– L. [illegible] 2 ♂♂ at 1 & 5 & L. variabilis 1 ♂ at 4.

24.7.40 cont. Dunkeld Glen, W3, cont.
Orthocentrus [illegible] ♂ at 2, ant 29 seg.

Stenomacrus ventralis: 1 fresh ♀.
S. cf. rufus ♂ at 4, ant 30 seg

Trichomastix [illegible]? 1 at 1, ant 20 seg
Homocidus longiventris ♀ at 4.
Mesoleptus singulatus ♂ at 1.
[illegible] red ♂ at 3, ant. 39 seg.
Polyblastus ♂, thick form, at 2, ant 30 seg.
[illegible] ♀ at 1, ant. 30 seg.

Campoplegidae: about a dozen: kept [illegible]
Sagaritis [illegible] 6♂ at 3 + 4♀ at 1, very stout bodies!

Mesochorus frequent: only kept 1 large ♀ at 5, ant. 44.
=

[illegible] [illegible] ♀ at 2
[illegible] common: none kept.
Megastylus? ♂ like bicolor, at 4, ant. 29 =

24.7.40, cont. Dunkeld Glen, W3, cont.

[illegible]

Bassus ♂, cf. [illegible]: not kept.
[illegible] ♀♀: not kept.
Rhyssalus [illegible] ♂ at 4 (+ 1♀ at 1 (not kept))
Phygadeuon [illegible] ♂ at 4, about red hind femora, 40 seg ant.
[illegible] ♂ at 5, ant 43.
" " " ♀ at 3, ant. 39.
Hemiteles frequent: only kept 1♀ from 1
+ A. cf. [illegible] ♀ at 1.
[illegible] microstomus ♂ small at 4. M. [illegible]: 1 small, dark ♀ at 4.
Perilitus red ♀ at 1, very small, [illegible] seg ant. [illegible]
[illegible] [illegible] 1♂: not kept.

Opius common [illegible]: [illegible], kept.
O. [illegible] minor ♀ at 1, ant 29.
O. [illegible]: 1 small ♂ + ♀ at 1, ant 20 & 21 respectively.
O. cf. aemulus var. ♂ + ♀ at 2, with 25 + 26 seg ant.
O. like [illegible] but very small & only 21 seg ant.: ♂ at 2.
[illegible] [illegible] 1♂ + ♀: ant broken + ♂ at 2, ant 22 seg.
[illegible] dictynna: a magnificent ♀ at 2, with 49 seg ant.
Orthostigma [illegible]? a lovely pair, ♂ + ♀, at 1, ant 20 + 21 respt.
both with very sharply defined & stout stigma!

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24. 7. 40, cont. Devil's Glen, Wi., cont.

Aspilota very common: the following taken.

A. fulvicornis: 2 ♂♂ at 2, ant. 19-seg. A. nummulata 1♀ at 4, ant 17.
A. aranciformis 1♂ at 2, ant 26. A. [illegible] var.? not [illegible], at 4, ant 19, ♀! — also a small ♀ at 1, with 19-seg. ant.
A. sylvatica 1♀ at 4, with 22 seg ant. A. [illegible] ? a small ♀ at 1, with [illegible] ant.
A. [illegible] ? ♀ at 4, ant. 20. A. alaca 4♂♂, 1♀ at 2, ant. 21, 21, 21, 22 & 19, respectively.
A. fuscicornis 1♂ at 4, ant. 16. A. minutissima? var with slender, elongate segmented (16) ant at 2, ♀!
A. sp. ? near [illegible] ♀, 19-seg ant. & also, perhaps, ♂, ant. 21, both at 1.
A. spp. ? near [illegible] ♂ (ant. 23) at 1; ♀ (ant. 21) at 2; & ♀ (ant. 20) at 5.

Dacnusa frequent: only taken: — 11, as follows below

[D. picticornis, areolaris, longiradialis 1♀ examined.]

D. eros. ♂ at 2, ♀ at 1, ant. 39 & 37. D. nerella? ♂ at 2, ant. 37, very pale.
D. [illegible] ? ♂, ant. 35, at 1. D. grossa & fine ♀ at 1, ant 32.
D. lena & fine ♀ at 2, ant. 29. D. [illegible] ♂ at 2, ant. 2[illegible]
D. lictor? ♀ at 1, ant. 23.
Coelinius [illegible] 2♂♂, 1♀ at 2, ant. 27, 25 & 23.
Coelinius elegans? 1♀ at 5, ant 30.
Ephedrus plagiator ♀ at 1.

Proctos. very abundant: 15 only taken ~~[illegible]~~ — = Rhinoscapha elongata ♀ at 1

Chalcid 1 at 1.

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Aphidiids & hyperparasites bred from Aphides taken in E. O'Mahony's garden at Strandville, [illegible] Av., [illegible] 30. July 1940.

On parsnip: — Aphidius [illegible] Hal. 30♂♂, 27♀♀, Proctos. & Cynipids. ♂ antennae 13, ♀ 13 segmented.

On peas: — Aphidius [illegible] ♀, ant. 18-seg.
On marigold Aphidius [illegible] ♂ very black, ant. 21-seg.

25th July 1940. Garden on [illegible] Rd, Dublin. between 7 & 9 P.M.

Bombus agrorum & lucorum
Psithyrus [illegible] ♂
Halictus leucozonius ♀ on flowers of [illegible] Rose.
Crabro [illegible] several, on black currant bush
Vespa vulgaris a strong nest discovered under roots of Syringa in front garden [See final note under 25/10/40 p. 255 ?]
Cladius pectinicornis ♂ & ♀
Atractodes [illegible] ♀ Pimpla flavicans? ♂
Bassus laetatorius ♀.
Homocidus [illegible] 2♂♂, 1 red, 1 black type 2.

Bracon [illegible] ♀, with 23-seg ant.

28th July 1940. Grey, fine day, some cloud, NW–W breeze, no showers, after several days of thunder, heavy showers.

Drove to Glen of Imaal, via Donard & Wi. Stopped for a few minutes in overflow channel above Donard but nothing of interest seen, though some nice Salix aurita seen by roadside.

1 = Collected by sweeping under beech, oak, trees ½ mile E. of Ballinaclea Ho., = station 1 on 21.7.40 - 12 noon - 1.30

2 = After lunch collected in beech & alder plantation (upper station? near bottom!) W of road from Knickeen to R. Slaney, = station 4 of 21.7.40 2.0 till 2.30 P.M.

3 = Later walked across (E) near the road from Knickeen to ford & Coan: collected some here & there, but chiefly by Leoh Brook, just above junction with Slaney 2.30 - 4.30

4 = After tea swept beech & alder plantation E of road, opposite station 2 - near bottom beneath: same as station 5 of 21.7.40. 5 till 6.10 P.M.

[32 from 1 mounted, 14 from 2, 20 from 3, & 34 from 4 & these labelled 1.2.1943 et seq. A.W.S.]

Bombus agrorum

B. lucorum many, ♂♂ seen on thistle mostly?

Melitta [illegible] frequent.

Halictus rubicundus ♂, on Carduus arvensis, fairly at 3.

Vespa rufa seen at 3.

Myrmica spp. many winged ♂♂ & ♀♀ seen, but not examined.

28.7.40, contd. Glen of Imaal, Wi, contd.

Formica fusca ♂♂ [illegible] at 1 & 2.

Anteon [illegible] ♂ at 1 =

Anteon [illegible] ? [illegible] at 2 =

Salius annulipes ? 1 at 4.

Eurylabus torvus ♂ at 4.

Platylabus rufus, dark var., 1 ♀ at 4

[illegible] ♂ at 1.

[illegible] ♀ [illegible]

Phytodietus [illegible] ♂♂.

Plectocryptus [illegible] ♂ at 3.

Stilpnus [illegible]? [illegible]

Exolytus ♂ [illegible]

Leptocryptus [illegible] [illegible]. P. [illegible]? ♂ at 3.

Cremnodes atricapillus ♀ at 1. Pezomachus [illegible] ♂ at 1 & 4.

Pimpla [illegible] ♂♂ & ♀♀ [illegible]

P. pomorum 1 ♀ at 1.

P. sp.? ♀ at 1, runs to [illegible], but only 3 mm long, with ovipositor nearly 2.5 mm; [illegible] abdomen, [illegible] hind tibiae

= [illegible]

P. sp. ♂ at 1, with hind tibiae [illegible], [illegible] abdomen, =

28 7 40, cont. Flies of [illegible], N.Y., cont.

[illegible] ♂♂ [illegible] not kept

Phytodietus ♂ at 1, [illegible]

Ph. ♀ at 1, [illegible]

Lissonota bellator ♂ not kept

Glypta elongata ♀, very red, at 4 [illegible]

Stenomacrus [illegible] ♀ at 4.

Homocidus [illegible] ♀ at 4, [illegible]

[illegible] ♂ at 1, with [illegible]

Mesoleius sp. ♀ at 3, ant. 38

M. ♂ at 4, ant. 35.

M. ♀ at 4, ant. 36.

M. ? red ♂ at 4, ant. 36

Stenomacrus sp. [illegible] ♂, [illegible], at 4, ant. 29.

St. sp. [illegible] ♀ at 4, ant. 20. St. sp. [illegible] ♂ at 4, ant 33.

[illegible] several, not kept

Megastylus [illegible] ♀ at 1, [illegible]

[illegible] repeatedly rolling up & unrolling its antennae

[illegible]

[illegible]

[illegible]

28 7 40, cont. Flies of [illegible], N.Y., cont.

Bracon fulvipes 2 ♀ at 3

B. sp. 2 small black ♂♂, not kept.

[illegible] ♂♂ & ♀♀. [illegible]

[illegible] ♂♂, not kept.

Clinocentrus vestigator ♂ at 3.

Rhogas vittiger ♂ at 1, ant. 52. R. nigricornis 3 ♂♂ at 4, resp. with 44, 45 & 46-seg. ant.

R. sp. testaceus ♀ at 1, with entirely reddish after base of tergite 1, [illegible] in short & stout, head & thorax [illegible], ant. 38.

R. circumscriptus group with black hind femora. ♂ at 1, ♀ at 2, ♂ at 4, ant. 38, 37, 39 resp.

R. " " not black hind femora. ♂ at 2, ♀ at 3 & ♂ at 4, ant. 39, 39 & 37.

Spathius [illegible], fulvipes ?, ♂. none kept.

Chelonus [illegible] 3 ♂♂ at 1.

Meteorus scutellator ♀ at 1, ant. 32.

M. abdominator very small ♀ at 3, [illegible], ant. 23

M. sp. punctiventris or [illegible] ♂ at 4 (antennae broken at 28th seg.!)

Eubadizon extensor ♂♂ & ♀♀ common at 4, none kept.

Blacus 2 ♂♂ only seen: kept 2. —

B. tripudians ♂ at 4, ant. 21.

B. humilis ? ♂ at 4, ant. 19.

Opius [illegible] several: not kept.

O. [illegible] ♀ at 2, ant 22.

O. [illegible] ♀ at 2, ant. 21.

28.7.40, cont. Glen of Imaal, Wi., cont.

[illegible] [illegible] 1♂ at 4.

Trypetoptera punctulata 2♂♂ at 1

Renocera [illegible] 2♂♂: not kept.

[illegible] [illegible] 1♂: not kept.

Aspilota spp. very common: only the following kept.

A. nervosa Hal. (= crassicornis Th.) ♀ at 1, small, ant. only 24-[illegible].

A. [illegible] ♀ at 1 ant. [illegible] 25 [illegible]. ♂ & 2♀♀ at 2, ant. 26, 26 & 25; 4 ♀♀ at 3, ant. 24-26;
{1♂ & 4 ♀♀ at 4, ant. 26, 25-26

A. [illegible] ♂ small ♂♂ & ♀ at 3, ant. 23 & 21, also a smaller ♂ & ♀ at 4, ant. 22 each.

A. tumida 2 small ♂♂ at 1 & 2, ant. both 20. A. [illegible] ♂ at 3, 2 ♀♀ at 1 & 4, ant. 17, 16, 16

A. cf. clara ♀, at 3, ant. 20; also a smaller ♀ at 1, with slenderer, 18-seg. ant.

A. cf. [illegible] ♀ at 2 (ant. broken). A. fuscicornis (= [illegible]) ♂ & ♀ at 4, ant. 15 & 17.

A. ~~[illegible]~~ [illegible] 2 ♂♂ at 1 & 3, ♀ at 2, ant. 17, 18 & 15 respectively.

A. [illegible] ♀ at 1, ant. 19.

A. (Synaldis) spp. several: not kept.

Orthostigma sp. 1♂, not kept.

Dacnusa [illegible]: 1 only, 2 & 3 not kept.

D. morella 1♂ at 2, ant 36

D. eros ♀ at 3, ant 36.

Praon sp., Ephedrus plagiator & sp., Aphidius spp. rare & only a few kept, as follows:—

Praon volucre ♀ at 3; Ephedrus plagiator ♀ at 4; & Aphidius [illegible] ♂ at 4, with dark legs & 18-seg. ant.

28.7.40, cont. Glen of Imaal, Wi., cont.

Proctotrupids very varied & very abundant, but very few kept:— 3 from 1, 2 from 2 & 7 from 4, as follows:—

Phaenoserphus elongatus ♀ at 1;

Yellow & black daddy-long-legs =

31st Jul. 1940. A dull, [illegible] very warm day, after a misty morning. Wind W. light to strong.

Down to [illegible] in Glenasmole, Dolly & I walked up [illegible] of Glen between Corrig & [illegible] Hill, where the Royal Fern grows abundantly in gorge below the waterfall in its only Co. Dublin station; then across shoulder of Corrig & down to the Slade Brook at 1200 to 1300 feet, [illegible] down Slade Brook & after tea [illegible] sweeping below the upper dam in Glenasmole.

Kept
16 from 1 = below & just above waterfall in "Corrig Glen" noon to 12.30 p.m.
14 from 2 = Slade Brook above 1200 feet. 2.30 to [illegible] p.m.
11 from 3 = between upper dam & head of [illegible], Glenasmole
2 from 4 = between footbridge & keeper's house — under trees !° in glade beside old filter.

Then labelled 30/3/43 AWS.

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30.7.40, cont. Glenasmole, DU, cont.

Bombus agrorum & lucorum seen up to 1500 ft.

B. muscorum ♀ [illegible].

B. lapidarius ♂♂, ☿☿ by upper reservoir dam.

B. jonellus several on heather at 1.

Melinna arvensis at 4.

Myrmica spp. ♂♂ & ♀♀ swarming at 2, 3 & 4.

Formica fusca, with Myrmica sp. [illegible] at 1.

[illegible] ♂ at 1.

[illegible] ♂♂ & ♀ [illegible] ([illegible] upper [illegible] at 2.

Tenthredella [illegible] at 1 & 2.

Tenthredo "[illegible]" [illegible] 3 & 2.

Ichneumon [illegible] very frequent : [illegible]
= Ich. [illegible] ♂ at 1.

Pimpla [illegible] ♀ at 2

Phaeogenid ♂ at 3 =

Phygadeuonid or Ichneumonid ?? two small fat ♀♀, [illegible], but very broad post petiole & [illegible], black, [illegible], at 3
=

Phygadeuon ______, brachypterous ♀ at 3. Phygadeuon [illegible] ♀ at 3

Sympla [illegible] by upper reservoir in morning, but [illegible] at 1.

[illegible] 1 ♀ at 3.

P. [illegible] 1 ♂, not kept.

162

30.7.40, cont. Glenasmole, DU, cont.

[illegible] ♂
[illegible] ♂ at 3.

Lygaeus [illegible] 1940
[illegible]
[illegible] & [illegible] ♂♂.
[No Hemerobiidae, no Panorpa, & no Trichoptera.]
[illegible] at 2 = [illegible] ?
[illegible] at 26, ♀ at 1 = [illegible] ? ♂ at 2.
[illegible] at 40, ♀ at 3 =
[illegible] at 39, 50 & 33 = {
Polyblastus [illegible]" — 10♂ from 1 not kept, [illegible] ♂♂ & ♀. [illegible].
[illegible] frequent : 10 from 1 kept =
[illegible] 1 & not kept.

[illegible] 1 small ♀ at 4, not kept.
[illegible] ♀♀ frequent at 1, 4 & 2.
2 only kept, from 3.

163.

30.7.40, cont. Glenasmole, D.U., cont.

Bracon fulvipes? 1♂, very dark var., at 1, [illegible] 36. [illegible]

Colastes braconius ♀♀: not kept.

Calyptus sp. 1♂ [[illegible] 1948 [illegible]]

Rhogas [illegible] [illegible] 2♂♂ at 2.

[No Apanteles seen!]

Meteorus scutellator? 1♂ at 1 & 1♂ at 2.

Blacus pygmaeus? 1♂ at 1.

Eubadizon extensor 1♂ & 1♀: not kept.

Diospilus capito, v. common, at 2, especially running [illegible] on Rowan tree, [illegible] a nuisance; also at 1; only ♀♀ (+10) seen; 1♀ from 1 kept & a solitary ♂ from 2, [illegible] small legs.

Opius spinaciae?? 1♂, 1♀: not kept.

O. [illegible] 1♀ at 3: not kept.

Biosteres carbonarius at 3 & 4: not kept.

Aspilota ruficornis 1♀ at 2. [illegible] cf. simulator [illegible] at 1 [illegible] kept.
[illegible] kept.

164

30.7.40, cont. Glenasmole, D.U., cont.

Exochus [illegible] at 1, 2 & 3, [illegible] & [illegible] kept.

D. [illegible] at 2: not kept.

D. [illegible] ? [illegible] at 2: not kept.

[illegible] at 2.

Aphidius [illegible] 1♀ at 1: not kept.

Bracon [illegible] ♀ at 2 & 3: ♀ from 1 kept.

Ephedrus [illegible] at 2.

Aphidius [illegible] ? } not kept.
[illegible]

[illegible] very abundant, at 1, 2 & 3; only 1 ♀ [illegible] kept.
Kept: 1 from 1, 4 from 2, 2 from 3 & 1 from 4.

Exallonyx longicornis 1♀ at 1 & another at 2.

Ex. minor 1♀ at 2.

Garden of Glenville Rd.
[illegible] 30.
Bred [illegible] 1.8.40 ♂ ♀
Hemiteles
H.
Pygadeuon

[illegible] at 1.
Red Admiral (1) & Peacock Butterflies seen at 1 at about 1000 feet.

2.8.1940. 4♂ Bracon [illegible] taken on The North Bull, Co. Dublin by [illegible] Mahony.

3rd August 1940. The third day in succession without a cloud, very hot one & pleasant, easy E. SE breeze. Saturday: left business at 1 PM. (a senior officer left on [illegible] for work at [illegible] & Gosport) & I do not [illegible] to be absent any afternoon during the week following.

Down in afternoon to Grand Canal just E. of Landenstown House, Co. KD. (as often before), arriving about 4 PM. & staying till 8.30 PM. Breeze strong at first & not much out till about 7 PM.

took 28 from 1 = tree belt & drainside, between road & canal, 1/4 mile below lock. 4 till 5.30 PM.

18 from 2 = Canal (S. side) bank between lock & plantation at 1. 6 till 7 PM.

24 from 3 = Fields, plantation, ditches, &c S of 1; field of cut hay & edge of barley field chiefly. 7.15 till 8.30 PM.

3 three labelled 29/3/43 at req. JANS. [illegible])

[illegible]

The catch of the day was a ♀ Streblocera fulviceps at 3, but exactly where I cannot say. WWS.

3-8-40, cont. Landenstown Ho., KD. cont.

Anteon ? [illegible] ♂ at 3 =

Tachinid [illegible] (? [illegible] bred) ♂ at 1.

Black ♂ [illegible], at 1 = [illegible] ?

Phygadeuonid ♀, small [illegible], at 1 =

Atractodes sp. ♀, at 2 =

Glypta [illegible] ♀ at 1.

G. (Conoblasta) monoceros ♀ at 2.

Colpomeria quadrisculpta ♀ at 2

Aeroductylus degener ♀ at 3.

Ctenixon [illegible] ♂ & ♀ at 1, not 27-28 [illegible]

Perilissus ♂ at 1 not 38.

Tryphon (Cosmoconus) ceratophorus ♀ at 3.

Polyblastus [illegible] ♂ at 3, [illegible]

Exetastes subcinctus ♂ at 3. Banchus annulatus, large ♂ at 3.

Homotropus bizonarius ♀ at 3. H. ornatus ♂ at 3, large!

Helictes ♀ at 2. Thersilochus [illegible] ♀ at 2 = [illegible]

Bracon epitriptus ♂ & ♀ at 2 (Run down to this [illegible] in Telenga's key!!! the first time I had used the [illegible])

Clinocentrus gracilipes Thoms. A very nice ♀ at 1, not 31 req.

Oncophanes minutus ♀ at 3. Opius [illegible] ♀ at 2.

Streblocera fulviceps: a beautiful ♀ at 3, see p. 165 opposite (This & others from 3 labelled Nov. 1943)

Meteorus ictericus ♀ at 1. M. scutellator ♀ at 2.

M. abdominator ♀ short [illegible], at 3. M. [illegible] [illegible] [illegible] at 1. [illegible]

3.8.40, cont. Lambertstown Ho., K.D. cont.

Blec. [illegible] ? ♂ at 1. [illegible] ? male ♂ at 3.

Opius trimaculator 1 ♀ at 3; ? off willow on N. side of [illegible].

Bracon [illegible] ? ♂ at 3.

Aphaereta major ♂ at 1.

Phaenocarpa tabida, ♂ at 3. Ph. flavipes ? ♂ at 3.

Aspilota dentifemur [illegible], ♀ at 1, ant. 19-segmented, A. [illegible] ? 2 ♂♂ at 1, ant. 21 & 2?

A. [illegible] ? 1 ♀ at 1, with [illegible] antennae, 20-segmented, [illegible]

A. fuscicornis ? 2 ♂♂, 1 ♀, rather dark, ant. 18, 19 & 17 seg. at 1.

A. sp. ? ♂, with [illegible], 20-seg. ant. at 1: could be a small ♂ of [illegible]?

Orthostigma robusta ?? ♀ at 1, ant. 20, mandible very [illegible]; head large (a small form [illegible], proportion [illegible])

Dacnusa leptogaster 1 dark ♂ at 2, ant. broken.

D. [illegible] 3 ♂♂ at 1, & 1 ♀ at 3. D. [illegible] 2 ♂♂ at 2.

D. [illegible] 1 ♂ at 3. D. [illegible] ♂ at 2. D. [illegible] ♂ at 2.

D. [illegible] ♂ at 2, ant. 27; var. [illegible] ♂ at 1, another at 2, ant. 30-3?

D. [illegible] ♀ at 2, ant. 32.

D. [illegible] 2 ♂♂ at 2, ant. 26, 27 & 28

D. [illegible] ♀ at 2, ant. 32.

Coelinius n. sp. [illegible]? ♂ at 3.

3.8.40, cont. Lambertstown Ho., K.D., cont

Proctos. 2 at 1 & 2 at 2.

Chalcid. 1 at 1.

6th August 1940. Garden, Upper [illegible] Rd, [illegible]

Agrypon [illegible] ♂ & ♀, [illegible].

Bracon triangulator ♂

Meteorus chrysophthalmus 1 fine ♀, ant. broken.

10th August 1940. A blustery day, strong N.W. wind, some showers, with rising glass, after a slight [illegible]. [illegible] off.

Met A. M. [illegible] ([illegible]) & [illegible] Rankin (of Belfast) who is [illegible] doing 7 months training at the Rotunda Hospital – a very nice boy.

Went to Powerscourt Deerpark, arriving 4 p.m., & [illegible] collecting, almost entirely sweeping oak & birch, on W. side of stream ½-way up to waterfall, [illegible];

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10.8.40, cont. Powerscourt, Co. Wl. cont.

After tea (5 PM) did 1½ hours sweeping in demesne, under trees, amongst nettles, &c. for ¼ mile below gate; left for home at 7.30 via old road to Glencree & Featherbed.

1 = deerpark. 2 = demesne.

[22 from 1 mounted, 40 from 2, & those labelled 4/4/43 at [illegible] 'OW']

Vespa vulgaris a curious congregation of ☿☿ seen on trunk of large oak at 1, apparently at some sap oozing out of trunk; they were so tightly wedged over the spot that they had not room to move & covered an area about 4" × 2½" with numerous Diptera skirmishing outside the "scrum".

Crabro clavipes a ♀ fell into Gregor's tea & was killed, at 1.

Salius exaltatus 1 ♀ near [illegible] at 1.

Ichneumon deliratorius 1♂ at 1, not kept.

Cratichneumon ♂♂, 1♀ not kept.

Sawfly: Phyllotoma vagans ♀ at 2.

Phygadeuon? ♂ & possibly ♀ of same sp. at 1 =

Hemiteles pallidus, very small, ♂ & ♀ at 2 =

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Powerscourt, Co. Wly cont.

Atractodes ♀ at 2.

Schizopyga atra : [illegible]

Pimpla [illegible] group ♂♂, 1♀, very small, not kept.

Lissonota bellator ♂ & ♀ seen at 1, not kept.

Eclytus fructicola: 2 ♀♀ at 2.

?Perilissus [illegible]? 1♀, not kept: ♂ see below!

Promethes cognatus ♂ & ♀, not kept.

P. sulcator not kept.

Triclistus at 1, and 2♀.

Probably ♂ of Perilissus [illegible]! (R. 4.5.5.4 1943)

+ Stenomacrus [illegible] pallidus ♂ at 2, not 29. St. [illegible]? ♂ at 1 (not 26.)

= (Porizontinae) [illegible], [illegible] 1♂ 1♀ at oaks, at 1

Campoplegini about 6 or 7 only but kept only one

= [illegible] [illegible] ♀ from 1.

Mesochorus ♀ at 2.

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10 8 40, cont. Powerscourt, Wi., cont.

Colastes braconius ♂♂ & ♀♀, rare – not kept.

Rhogas circumscriptus group. 1♂ 2♀♀ at 1, 1♂ 2♀ at 2, all differing inter se & regards colour

[illegible] [illegible] 1♀ at 1.

Acaelius subfasciatus ? 1 at 1.

Apanteles sp. nr. fulvipes, but larger, smoother & tegulae dark ♀ at 1.

Meteorus cf. pulchricornis 1♂, but ant. 30 segmented, ?

Eubadizon extensor 1♂, ♀♀ common at 1

E. flavipes Hal. 1♀ at 1, with 23-seg. ant. & an apparently deformed ♂, with only 19-seg. ant.

Blacus sp. ? 1♂. not kept.

Diospilus capito 1♂ at 1.

Opius lunulatus nob. 2♂♂ at 2, with 25 & 26-seg. ant.

Aphaereta tenuicornis ♂ & ♀ at 2.

Cedalma dictynna: 1 long ♀ at 1, antennae 47 seg.

Aspilota 1♂ from 1; 5♂♂, 7♀♀ at 2 = A. nigricornis ? ♂ & ♀ at 2, with legs not darkened.

A. fuscicornis 1♂, 3♀♀ at 2, ant. (16, 16) 17 & 17 - segmented. 1 ♂ sent to Nixon, Nov 1943.

A. picticornis nob.? 1♀ at 2, head widened (stalk?), ant. 18.

A. sp.? ruficornis group, very small ♀, ant. colouring body, 17-seg. at 2.

A. nr. fulvipes? ♂ at 2, ant. 22, but very [illegible]. A. crassifemur ♂ at 2, ant. 27.

A. indiana? ♂ at 1, ant. 23. A. grandiformis? ♂ at 2, ant. 24.

A. (Synaldis) parvicornis ♀ at 2, ant. 14.

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10 8 40, cont. Powerscourt, Wi., cont.

Dacnusa lateralis frequent: ♂♂ & ♀♀ [illegible] not kept.

D. sp. nr. [illegible] 1♀, [illegible] not kept, added [illegible] at 2.

D. [illegible] ? 1♀ [illegible]

D. pubescens 1 very small ♀, not kept.

[illegible] [illegible] ; none kept.

Bracon [illegible] 2♂♂ at 2

Aphidius [illegible] [illegible] Hal.? 1♀ at 2. {? neither the same.

Braconidae only a few of those kept 2 from 1 & 5 from 2,
= Heterospilus [illegible] Hal. 1♂ at 1 & another at 2.
Ecphylus minimus [illegible] ? ♀ at 2.

Red by [illegible] =

11th Aug 1940. Garden, 44 Clarendon Rd., [illegible]

A fresh looking ♀ Bombus lucorum pollen, with heavy load of red pollen on flowers of Hypericum hirsutum at 10 AM. ? [illegible] [illegible] [illegible] [illegible]

11th August 1940. A fine day, cloud [illegible], with chilly W. wind, strong to moderate, but no rain.

Drove to George's Bridge on R. Slaney, then through Glen of Imaal collecting for an hour before lunch, then on to [illegible] at Leitrim Barracks near Stratford (i.e. [illegible]) & swept [illegible] [illegible] plantations, one west of road, the other east of the road, for about an hour each; finally collected for nearly an hour under trees, etc., 1/2 mile E of Ballinaclea Ho. All Co. - WI.

12 till 1 P.M. 1 = George's Bridge, left bank of R. Slaney for 1/4 mile above bridge, but chiefly the "[illegible]" at bend of river.

3 till 4 P.M. 2 = plantation W of road from Knickeen to R. Slaney

4 till 5 P.M. 3 = " E " " " " " "

Leitrim Barracks

5 till 5.50 P.M. 4 = under tree, etc., trees 1/2 mile E of Ballinaclea Ho.

Bombus lucorum ♂, B. lapidarius ♂ & ☿ & B. agrorum ☿♀ seen, but few.

Halictus rubicundus ♂ swept at 1.

Salius exaltatus ♂ at 3.

Vespa vulgaris & ?rufa seen, ☿☿

Bethylus cephalotes, 1 large ♀ swept at 1.

Mounted
52 from 1.
from 2
from 3
39 from 4.

11.8.40, cont. Glen of Imaal, WI., cont.

[illegible] ♀ at 1, between antennae.

A. ephippigera v. [illegible] ♀ at 1, [illegible]

A. [illegible] ? ♀ at 2, same as next (?) but with large [illegible]

A. [illegible] ? var sub-apterus 1♀, short wings, same (?) as taken on [illegible] at station 3 (Tuesday's 3) on 21.7.40.

Myrmica scabrinodis ☿♀, [illegible], at 1.

Formica fusca, winged ♀ swept at 3, the only winged ants seen all day.

Tenthredo "arcuata" very common on Umbelliferae etc. at 1

Taxonus equiseti 1 ♀ at 1.

[illegible] 1 ♂ at 3 var. [illegible]??

[illegible] pallidiventris 1♀ at 1

Stag. [illegible] 1 black ♀ at 1.

[illegible] ? ♀ at 2, [illegible]

[illegible] ?? ♂ at 4, [illegible]

Phygadeuon [illegible] ♀, [illegible], at 2 =

" " ♂, black thorax, at 2 =

" ? [illegible], black ♀, small, [illegible], at 1, [illegible]

=

" " [illegible] ? black, [illegible], ♂, [illegible] 2.5, at 1.

=

11.8.40, cont. Glen of Imaal, Wi., cont.
Pimpla brevicornis? 1♂, not kept.
P. turionellae 1♂, not kept.
P. "pomorum"? 1♀, not kept.

Phytodietus geniculatus? 1♂, not kept.
Lissonota bellator ♂♂ & 1♀ seen, not kept.
[No Glypta seen all day!]

Promethes cognatus ♂♂.
Homocidus pallipes ♂♂.
H. [illegible]? 1♀, at 3, not sure, [illegible]
H. flavolineatus ♀ 2♂♂, at 2 & 3.
H. longiventris ♀ 1♀ at 1.

Euceros serricornis 1♀ at 4, also ♂♂ taken on 21 & 28.7.40.
Exyston "pharaonum" Hal. 2♀♀ at 4 ([illegible])
"Bassus" [illegible] Hol.? 1♂ at 2
" annulipes ♀ several: not kept
" sp.? ♂ at 2, ♀ at 1, not [illegible] sp.
Perilissus "pictus"? 2♂♂ at 3. P. [illegible] 1♂ at 1.
Exochus tibialis 2♂♂ at 2 & 3, 1♀ at 1.
E. pictus ♀, at 3

11.8.40, cont. Glen of Imaal, Wi., cont.
Polyblastus, sp. of black-legged form: 1, not kept.
Mesoleius about a dozen: 5 [illegible]
M. sp. red abd. ♂ at 1 =
M. sp. red-[illegible] mottled, 1♂, 2♀♀ at 3 =
M. of yellow mottled, ♂ at 3.
[illegible] praerogator 1
Orthocentrus sp.? ♂ & ♀ at 3

Diaparsis? ♀ at 3
long tube, not. sp.
Cremastus? ♂ at 4 =

Mesochorus frequent: not kept. Lagarotis ♀ at 1.
Stenomacrus [illegible] ♀ at 2. S. [illegible] ♀ at 2. S. [illegible]? [illegible] ♀ at 2.
Plectiscus ♀ at 4.

Proclitus [illegible] ([illegible]?) 2♀♀ at 2.

Aperileptus sp.? 3♀♀ at 4.

Proctos. very common but very few kept: not [illegible]
Mounted 4 from 1, 8 from 2, 2 from 3 & 3 from 4

[illegible] at 4 =
[illegible] ([illegible]). 1 at 3 =

11-8-40, cont. Glen of Imaal, Wi. cont

Bracon fulvipes 3 ♀♀ : 1 ♀ from 1 tuft.

B. epitriptus ? ♀, ant 29 at 1 [illegible]

Brachistes [illegible] 1 ♀, [illegible] at 3, ant 38, [illegible]

Colastes braconius 2 ♀♀, [one very large at 3]

[illegible] longicorne 1 ♀ at 4.

Rhysipolis decorator ♂ at 1.

Rhogas : [illegible] : 9 mounted as follows:-

= R. rugulosus Nees : hind femur black-ended, ♂ at 3 ant 42, ♀ at 1 ant 40.
R. [illegible] ♀, [illegible] at 3, ant 38.
R. circumscriptus [illegible] 3 ♂♂, at 2 & 3, 2 ♀♀ at 2 & 4, ant 37, 36, 36 & 38.
R. [illegible] ♂ at 3, ♀ at 4, ant 37 & 36 respectively.

[illegible] ? ♀♀ at 4, ant 16 segments.

[illegible] frequent at 4.

Microgaster tibialis ♂ at 1. [no others seen!]

Meteorus sp. ? 1 small ♀ at 2, ant short, 19 seg, [illegible] longer than abd., stigma large, pale at base, [illegible] widely separated!

M. [illegible] ? 1 ♂ at 4.

[No Euphorus, no Perilitus]

[illegible] ♂♂ & ♀♀ abundant at 2 [illegible] at 2 & 3, also at 4

Orthostigma pumila 2 ♀♀ at 4. O. maculipes ♀ at 2

O. melanura ? [illegible] ♀ at 4, ant 22.
" " ? [illegible] ♂ at 1, ant 20

11-8-40, cont. Glen of Imaal, Wi, cont.

Blacus tripudians 1 ♂, several ♀♀ at 1, ♀ also at 2

B. paganus 1 ♀ at 4.

B. ambulans 2 ♀♀, one each at 2 & 3.

Opius singularis 1

O. [illegible] normal. O. [illegible] 1 ♀ at 4

O. "[illegible]" [illegible] 3 [illegible]

O. [illegible] 2 ♀♀ [illegible]

O. [illegible] ♂ at 1, ant 30.

[illegible] 1 ♂ at 1. [illegible] 2 ♀♀ at 4.

Alysia [illegible] 1 ♂ 1 ♀, [illegible]

Pentapleura pumilio 1 ♂ & ♀♀, rare. P. angulata ♂ at 4.

[illegible] 1 ♂, at 1. [illegible] ♂ at 4.

Phaenocarpa [illegible] ♂♂ & 1 ♀, [illegible] at 4.

Aspilota spp. very common, 50 mounted (including [illegible])

A. [illegible] ♂ & ♀ at 4, ant 17 & 18. A. [illegible] 1 ♀ at 2, ant 26.

A. [illegible], small ♀ at 2, ant 16. A. [illegible] [illegible]

A. [illegible] ♀ at 2, ant 21, also [illegible] [illegible]

A. [illegible] 1 ♀ at 4, very [illegible], ant 21. A. [illegible] small ♀ at 2, ant 17 [illegible]

A. [illegible], small ♀ at 4, ant 17. A. [illegible] small ♀♀ at 1, ant [illegible]

A. [illegible] ♂♂ at 4 & 1, ♀ at 3, [illegible] ant 23, 24 [illegible] respectively. A. [illegible] ♂ & ♀ at 4, ♀ at 2, ant [illegible]

A. [illegible] ? ♀ at 2, small, ant 19. A. [illegible] [illegible]

A. [illegible] ♂ at 2, [illegible] ♂ at 3, [illegible] A. [illegible] [illegible]

A. [illegible] ♀♀ at 2 & 4, ant 17, 18 & 15. A. [illegible] at 4, ant 32.

A. ([illegible]) [illegible] ? 2 large ♂♂ at 1, ant 30 & 33.

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11.8.40, contd. Glen of Imaal, Wi., contd.

[illegible] [illegible], [illegible] (4), [illegible], [illegible]

D. [illegible] [illegible]; ♂ at 3 mtd. D. [illegible] [illegible] not mtd.

D. [illegible] [illegible]. D. [illegible] ♂ at 1.

D. [illegible] one, not mtd. D. [illegible] ♂ at 1.

D. eros, 2♀♀ at 1, 1♀ at 4. D. [illegible] [illegible] not mtd.

D. [illegible] [illegible] ♂ & ♀ at 3, mt. 28 & 27.

= [illegible], sp. of DWS 23/4/48, type ♀ & allotype ♂.

[illegible] ♂♂ at 1. D. [illegible] ♀, [illegible], at 1♀, at 1. D. [illegible] a large ♀ at [illegible] with [illegible] not.

[illegible] ?? not [illegible] ♂♂, ♀; [illegible] at 2 & 4, mt. 40 & 37.

[illegible] conspurcata 1♂ at 2, 1♀ at 2, not mtd.

[illegible], not mounted

Ephedrus plagiator 1♀ at 4 (all [illegible]). [illegible]

Monoctonus [illegible] 1♂, 1♀ [illegible] not mtd.

Aphidius [illegible] [illegible] ♂ (all [illegible])

S. [illegible] which had all [illegible] from here on night of 6th/7th again plentiful on 13th Aug, possibly passing through from further north.

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16.8.1940. [illegible] [illegible] of Mt. Leinster & [illegible], Co. Wi. see p. 257.

17th August 1940. An almost perfect day after a misty morning. All sunny after [illegible] with ~~[illegible]~~ [illegible] S.W. breeze.

In afternoon (Sat.) [illegible], with John [illegible] & his fiancée Miss [illegible] (to tell the [illegible] about common plants) to Sallins, & on to Landenstown Ho., where eventually collected for an hour each at (1) along S. side of canal ½ mile below Lock & (2) in "[illegible]" & [illegible] hay & barley fields behind (S. of) same, the [illegible] taken on 3.8.40, between 6.30 & 8.20 P.M.

[17 specimens mounted from 1 & 50 from 2 & they labelled [illegible] of [illegible] also labelled as an earlier date! [illegible]]

Landenstown, Co. KD., as before.

[illegible] [illegible] more common than I have seen for some years.

[illegible] [illegible] [illegible]

[illegible] [illegible] or [illegible]: 2♀♀ at 2.

[illegible] [illegible], ♀ at 2. P. [illegible] ♂ at 2.

Hemiteles ♀, not [illegible], red legs with black points.

"Pimpla" pomorum ♀ at 2.

Colpomeria quadrisculpta, a large ♀ at 2.

Bassus annulatus, male ♂ at 2.

Homocidus bipunctatus ♂ at 2.

17.8.40, cont. Landerstown, KD. cont.

Mesoleius ?, red, dull (matt) abdomen at 1 =
" at 2

Polyblastus varitarsus ♀ carrying "larvae" at 2. P. ? [illegible] ♀ at 2

Mesochorus, very small ♀, ant 26, at 2 = M. ______

Bracon [illegible] (nec.) marshalli, but cf. B. marshalli (Szépl.) [illegible]

Orthocentrus ? small ♂ at 2, ant 33

Rhexa [illegible] var. [illegible] ♂ at 2

Microgaster tibialis ♂ at 1, ♀ at 2. Sigalphus ? [illegible] ♂ at 2

Perilitus sp. a tiny ♂, with 16-seg. ant. & 1 ♀, large, 21-seg. ant. {both at 1.

Euphorus ? 1 at 2

Meteorus ? 2 ♀♀ at 2.

Macrocentrus abdominalis 2 small ♀ (black at 1, reddish at 2).

[illegible]

O. cf. [illegible] but distinct, narrow, [illegible] ant. 26, ♂ at 2 {[illegible]

O. cf. very small ♀ at 2, with 20-seg. ant., [illegible], [illegible] at 1, [illegible]

O. communis [illegible] ♀ at 2, with 25-seg. ant. & [illegible] abdomen.

Biosteres [illegible] 1 at 2. B. [illegible] 1 at 2

Adelura flavimba ♀ at 1

[illegible]

A (S.) [illegible] ♀ at 1, ant. 16. A. [illegible] ♀ at 2, ant. 17.

A. rufipes ? 2 small ♂♂ at 2, ant. 17. A. cf. ? ♂ at 2 like [illegible] but [illegible], ant. 19, very small [illegible]

[illegible]

D. [illegible] ♂ at 1. D. cyclops ♂ & ♀ at 2, ant 27–[illegible]

D. [illegible] ♀ at 1, ant 22. D. eleganticula ♀ at 1, ant 26.

17.8.40, cont. Landerstown, KD., cont.

Dacnusa [illegible] ♂ at 1, black ant 21-seg.; ♀ at 2, with reddish 23-seg. ant (damaged)

D. [illegible] ♀ at 1 & "[illegible]" (damaged) ♀ at 2

Coelinius niger 7 ♂♂, 2 ♀♀ at 2. C. [illegible] 7 ♂♂ at 2. {[illegible]

Aphidius cf. ulmi ? ♀ at 1.

Proctos. 1 at 1, 2 at 2 =

17.8.40. Taken by A.M. Gregson at Ashdown, Co. W'l.
Atrygites luteus ♀, Exochus notatus ♂ & Biosteres [illegible] ♂.

18th Aug 1940. A hot, moist, day, [illegible] [illegible] SW–NW [illegible] [illegible] the wind but [illegible] the vegetation [illegible] occasionally [illegible] mist, shower-[illegible] [illegible] [illegible] Spent day between [illegible] [illegible] [illegible] [illegible] collecting [illegible] [illegible] [illegible] [illegible] (S.W. of [illegible]) = 1, [illegible] [illegible] of beech [illegible] [illegible] E of [illegible] [illegible] = 3, then back to [illegible] [illegible] past Stump of the Castle, there [illegible] [illegible] roadside [illegible] = 2, had tea & home via [illegible]

[17 [illegible] from 1 mounted, 7 from 2 & 9 from 3 / 1 [illegible] 2 [illegible] 1943. AWS.]

=1 =3 =2

18. 8. 40, cont. Aghoole, Croaghaun & Stump,

Bombus lapidarius (at 2), B. lucorum (at 2) Co. Wl.

& B. agrorum — (at 2 & 3) ♀ ☿ common.

Psithyrus ♂♂ at 2.

Colletes succinctus common ♂♂ at 2.

Vespa rufa ☿☿ at heather, at 2

Ichn. of my own coll.n now listed

Barichneumon ?? albicinctus, ♀, red abd., at 1

Pimpla? alternans & Kolthoffi ♀ at 2

Lampronota ♂ at 2

Hemiteles (or Pezomachus) reddish ♂ at 1 =

H. ♀ at 1, ant. 26-seg.

H. ♂, brachypterous, ant. 20, at 3

H. (or Pygostolus) ♀, red abd., ant. 21, at 1 = H. palustris Bdg ??

Stenomacrus laricis ♀ at 3.

Oncophanes lanceolator Nees, reddish ♀ at 1

Rhogas ruficeps ? ♂ at 3, ant. 41.

Microgaster, [illegible] ? small ♂ at 1.

Microplitis mediator 1♂ at 1, 3 ♂♂ at 3

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18. 8. 40, cont. A., C., & S., Co. Wl., cont.

? ♂♂ + ?? same [illegible]

Entedon flavipes 7 ♂♂ at 3, ant. 24 to 26-seg.; 1 ♀ at 2, ant. 23-seg.

Calyptus sp.? ant. [illegible] ♂ at 2, ant. 31

Dyscritus [illegible] mihi: 1 fine ♀ at Aghoole (=1): the type! labelled [illegible]
(See Proc. R. I. Acad. XLVII, Sect. B., No 1, 1941)

Aspilota minutissima ♀, ant. 16, at 1: a very perfect specimen!

A. ? procurva ♀, ant. 16, at 1. has very small, antennae very slender!

A. atra v. quadrata? ♂ ant. 26, at 3.

A. sp. n.?? ♂, small sp., ant. 19, at 3; 1st tergite quite smooth [illegible] very!

A. [illegible] ♀, ant. 17, at 3: more typical than that shown [illegible]

Orthostigma [illegible] ?? ♀, ant. 20, at 2

Aspilota [illegible] ♀, ant 23, at 3

Dacnusa melanocera ? ♀ at 1, ant. 24: antennae seem short!

Bracon flavimodus ? ♀, at 1, ant 18

Proctos. 3 at 3.

Helorus 1 at 2: no puncture on [illegible]
& narrow petiole!

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18.8.40, cont. A., C., & S., Co. W. cont.
[See previous page!]

24.8.40. Blacus dimidiator ♀ taken on currant bush in back garden of 14 Clareville Rd., Harold's Cross, Dublin. A.W.S.

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25th Aug 1940. A rather nice day, spoiled by cold wet mist which [illegible] on the mountains.

Drove to Glen of Imaal with Mr [illegible] of Belfast, arriving at base about 11.30, & walked up to North Prison for lunch. After lunch had just commenced to sweep floor of the Prison for Homoptera [illegible] mist descended & [illegible]. Then walked up to head of rocky, scree platform to edge of South Prison & so up to summit of Slieve-na-gaillte, where collected a few beetles & one spider under stones round the cairn. Mist [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. Then back to car & after tea swept round fields & yard of ruined farm at Coan, where [illegible] & Rovers in great abundance but little variety.

On way up [illegible] noted dozens of Swallows playing about over ridge behind Camara Hill & observed that [illegible] were carrying [illegible] over the ridge from [illegible] which [illegible] compared by flight [illegible] Pentatoma rufipes on heather, [illegible] at about 2500 feet on [illegible] [illegible] & [illegible] by [illegible]

N.B. Lugnaquilla should really be Sliev-na-gaillte, as used by Kinahan.

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25.8.43; [illegible]. Coan & Stein [illegible], [illegible] N.1 [illegible]
of the [illegible] of [illegible] [illegible] Prison
Prison [illegible] 2,000 ft.

[illegible] in bed of North Prison [illegible] 2500 ft. alt.
[Ichneumonids mounted & determined 20/4/1943 [2,000 ft. [illegible] ANS (3) 25.8.43]] 2·20 – 2·45 p.m.

[illegible] very abundant: only 5 [illegible] taken; 3 kept
= { Lissonota [illegible] ♀
do [illegible]? ♀
do [illegible] ♀ } Chalcids: 2 kept (1 [illegible], 2 ♀ small)
= {

[illegible] lineolata 2 ♂♂

Cryptids several ♂♂, not kept: 2 ♀♀ (2 spp.) mounted =
Hemiteles? ♀ & Pygostolus? ♀

Pimpla turionellae 1 ♂, 1 ♀ ♀
P. maculator 1 ♂
Promethes sulcator ♀
Homocidus [illegible] ♂ [illegible]
P. dorsalis 2 ♀♀
Bassus laetatorius 1 ♂ [illegible] [illegible]

[illegible] ♀
Campoplex [illegible] ♀, ent. 15
C. [illegible]? 2 ♀♀, ent. 17 & 18.
Aphidius sp. not mounted.
[illegible] [illegible] ♂ & ♀

[illegible] 2 ♂ 2 ♀♀
[illegible] [illegible] [illegible]
D. [illegible] 1 ♂, [illegible]
D. [illegible] 2 ♂♂
[illegible] 1
D. [illegible] ? 6 [illegible], [illegible] dark legs, & 20–30 [illegible].

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25.8.43; evening. [illegible] Coan, [illegible]
[illegible] [illegible] [illegible] [illegible]. [Ichneumonids mounted & then labelled [illegible] AVS 1.5.1943]
4 only taken & mounted =

Melanichneumon saturatorius 1 ♂
[illegible] [illegible]

Lissonota [illegible] 2 ♂ [illegible] 2 ♂.

[illegible] [illegible] ♂
[illegible] ([illegible]) [illegible] 1 ♂
Homocidus cinctus 1 ♀, black var.
Promethes dorsalis ♀
P. sulcator ♀
[illegible] ♂
[illegible] [illegible] 1 ♂, ent. 29.
[illegible] [illegible]? ♀
Mesochorus [illegible]
1 ♂ mounted = M.

[illegible] of [illegible] [illegible] with [illegible]
Ophion [illegible]
O. [illegible] ♂♂ ♀
O. [illegible] ♀
O. [illegible] 1 ♂ ([illegible] dead) [illegible]

[illegible] [illegible] ♀

[illegible] [illegible] Hal. 1 fine ♀.
[illegible] [illegible] 2 ♀♀ [illegible] ent.
[illegible] [illegible]? 1 ♂, ent. [illegible]
A. ([illegible]) [illegible], ent. 16.

[illegible] [illegible] ♀
[illegible] [illegible] 1
D. [illegible] ♀, ent. 31.

[illegible] [illegible]? 1 ♂
C. [illegible]? 1 ♂, [illegible]

1st Sept. 1940. A very fine day after an early morning rain with mist later. Mist in "[illegible]" — practically [illegible] [illegible] of Moss. Drove to Ballinclea Bridge over R. Slaney, in Glen of Imaal (see [illegible] & [illegible]) where met Mr [illegible] owner of Ballinclea House & was shown site where about 20-25 years ago he got a perfect skeleton of an Irish Elk & another head, the latter much decayed through drainage, about 1/4 mile S.W. of Ballinclea Bridge. The drain is a double ditch with old fir trees planted on the bank between the drains.

1.9.40, cont. Ballinclea, Co. Wi., cont.
After lunch, 2.30-3 P.M., collected by sweeping grass above B. Bridge on right bank of Slaney, in an Iris-filled marsh & in a shallow half [illegible] [illegible] = 1;
later, after tea, swept several places further up-stream on right bank, among [illegible] [illegible] & under beech & elm trees at foot of big hay field, the locality almost exactly under station No. 1 of 21st July 1940 & subsequent dates. = 2
[[illegible] [illegible] from 1 + 39 from 2 & then labelled [illegible] at [illegible]. AWS.]

Ballinclea, Glen of Imaal Co. Wi.
Ca. 600 ft. alt.

Bombus lucorum [illegible] [illegible] [illegible] [illegible]
B. agrorum ♀♀, faded, still frequent.
[illegible] [illegible] at [illegible] [illegible] by Slaney at 2
Pemphredon shuckardi (? [illegible] [illegible]) at [illegible] [illegible]

[illegible] of. very common on alders at 1.

[illegible] larger ♀ & ♂, [illegible] =
" smaller ♀ & ♂, [illegible] =

[illegible] very [illegible] [illegible] [illegible] [illegible] =

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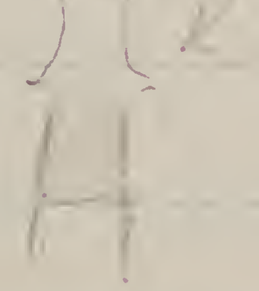
1.9.40, cont. Ballinacha, W., cont.

Lissonota 1♂, 1♀ seen, not secured.

[No other Pimplinae seen all day!]

Promethes sulcator 1♂ with very prominent [illegible] at 2; also ♀ seen.



P. pulchellus 1♂: not left.

Homocidus nigritarsus 1♂ at 2: not left.

Bassus tricinctus 1♂: not left.

[illegible] 1♂: not left.

C. [illegible] 1♀ at 1.

Stenomacrus ♂, with areolet at 1, cat. 27 = cf. [illegible]?

♀: without areolet at 2, cat. 30 = cf. intermedius?

Orthocentrus (not kept)

Campoplegidae: only about 3 seen: none left.

Helictes 1♂ not kept.

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1.9.40, cont. Ballinacha, W., cont.

[Bracon, ♂, none seen!]

Apanteles fulvipes ♂ 1♀: no other seen!

Meteorus cinctellus? ♀ at 1 with ♀ at 2, cat. both 26.

M. fragilis? ♀, cat. 31, at 2. M. [illegible] ♀, cat. 35, at 2.

Blacus maculipes 1♂ } all seen!

B. [illegible] 1♂, cat. 20.

Opius spp. common: a number of species.

O. [illegible] & O. [illegible] frequent: [illegible]

O. [illegible]: 1♀ [illegible] O. pygmaeus ♀ at 1, cat. 31.

O. cf. [illegible] var. ♂ at 1, cat. 26. O. cf. platyceratus ♂ at 1, cat. 28.

O. cf. [illegible] ♀, at 1, cat. 23.

Alysia tipulae 2♂♂

Pentapleura angustula ♀ 1 long ♂.

Adelura [illegible] frequent

A. sylvia ♂ at 1, cat. 37.

Aphaereta tenuicornis 1♀, at 2, cat. 22.

Phaenocarpa [illegible] ♂♂ frequent: 1♂ from [illegible] kept.

P. [illegible] 2♂♂, 1♀.

1. 9. 40, cont. — Bellinecha, S. Wly, cont.

10♂ from [illegible] found to E.M. Oct 1945 as a paratype. A.W.S.

Also a [illegible] left [illegible] at [illegible] cont.

Aspilota: rather rare: 14 [illegible] (8♂♂, 6♀♀) = A. [illegible] [illegible] cat. 19.

A. [illegible] & [illegible] ♀ at 2, cat. 22. A. cf. [illegible] ♂ at 2, cat. 20. A. cf. [illegible] ♀ at 2, cat. 19.

A. cf. [illegible] ♀ at 2, cat. 21. A. [illegible] 2 [illegible] ♂♂ at 2, cat. 19 & 21.

A. cf. [illegible] 1 [illegible] ♂ at 2, with [illegible]. A. [illegible] ? 2 [illegible] at 2, cat. 17–18 with rather dark antennae.

A. [illegible]: ♀ at 2, with cat. 15 & [illegible].

A. ([illegible]) [illegible] ? ♂ at 1, cat. 23, [illegible].

Dacnusa: common: many species, some good.

D. maculipes ♂ & ♀. not kept. [D. [illegible] not taken]

D. longiradialis 1♂ [illegible]

confinis [illegible] at 1, cat. 24.

D. [illegible] frequent: not kept. D. cf. [illegible] ♂ at 2, cat. 24.

D. [illegible] & ♀, ♂♂ [illegible] D. cf. [illegible] (♂?) at 2, cat. 29.

D. affinis several: not kept. D. [illegible] ♀ at 2, cat. 30.

D. [illegible] & [illegible] strongly [illegible] ♂ at 1, with cat. 31 [illegible]

D. [illegible] 1 ♀ at 1, cat. 29.

D. [illegible] ♂ ♀ ♀ at 1, cat. both 30.

D. [illegible] ? 1♂ at 2, cat. 35, ♀ at 1, cat. only 37. [illegible] p. 204

D. [illegible] -10,285 AWS. 1.5.45. ([illegible]) at 2, cat. 26, ♀ at 1, cat. 27. [illegible] & ♀ at 1, with 26 [illegible] cat., or [illegible] another?

D. [illegible] ♀ at 2 [illegible]

D. cf. [illegible] [illegible], not [illegible], at 2, not taken.

D. [illegible] ? ♀ at 2, with cat. 28

Coelinius [illegible] — not kept.

1. 9. 40, cont. — Bellinecha, Wly, cont.

Chaenusa conjungens ♂♂ & ♀♀ abundant: not kept.

[illegible] 5♂ & ♀ [illegible] 1 at 2 4 ♂♂ kept: cat. 37, 40, 41 & 41.

C. [illegible] 1♂, at 2, cat. 40.

Ephedrus [illegible] 1♂ at 2, not kept.

E. plagiator 1♂ at 1: not kept.

Praon 1♂ not kept.

Monoctonus [illegible] [illegible] not kept.

Aphidius: several & [illegible]: none kept.

Proctos.: very abundant, but only few kept 4 from 1 & 7 from 2

= Proctotrupes gravidator [illegible] at 2.

Small Copper, Common Blue, Speckled Wood & [illegible]

All seen.

Jay seen & heard for 1st time in Glen of [illegible]

195

5th Sept. 1940. A fine day, mostly sunny, fresh NW breeze, after much dry weather & many hot days. Insects scarce & not flying, perhaps due to drought & very disappointing on the higher ground.

Drove to Glenasmole, arriving about 11.30 AM, & walked up to Slade Brook =1, where collected from 12.30 to 2.0 PM from 1000 ft. ca 500 probably; then after lunch [illegible] margin of upper reservoir where pipe from Slade Brook channel is taken in (at head of larch plantation (=2) & 100 yards north of last place amongst willow scrub; where the real Slade Brook enters reservoir (=3); on very hot marsh & few insects on shore of reservoir. Then took a record at NW corner of lake =4. Did not collect anything below upper dam. Left for home at 6 PM.

[17 insects counted from 1, 24 from 2, 9 from 3 & 5 from 4; those labelled 9.5.40 MWS]

Glenasmole & Slade Brook, Co. Dn.

Bombus jonellus a fresh looking ♀ with heavy load of pollen (yellow pollen! not heather!! = Ulex gallii !!!) seen on edge of swampy pond

196

5.9.40, cont. Glenasmole & Slade Bk., Dn. cont.

where Slade Brook comes into flat ground above catchwork.

B. lucorum ♀♀ & B. agrorum ♂♂ & ♀♀ seen.

Psithyrus ♂♂ seen: probably distinctus & ? pratorum.

Andrena fuscipes worn ♂ seen at heather bank [illegible] of the Slade.

Nomada rufipes ♀♀, with last.

Halictus (? tumulorum) ♂ seen with last.

Mellinus arvensis ♀ at 900 ft. by Slade Brook.

[illegible] glabrata 1♀ at 3

Nematus ? 1♀. group of larvae on birch at 4 [illegible]

Ichneumon cf emancipatus 1♀, partly crushed, at 3.

I. cf. albiger ♂ at 1, but antennae very narrow & elongate.

[illegible] ? ♀ at 1, col. 14.

[illegible] [illegible] ♀ at 2, col. 38.

[illegible] [illegible] ♀ seen at Ulex gallii at 1

Pimpla [illegible] ♀♀ frequent, at 1 & 2.

P. [illegible] 1♂ at 4, very slender, col. 18 [illegible]

P. [illegible] ♂ 1♂ at 1, at heath.

[illegible] [illegible] ? 1♀ seen at 3.

197

S. G. 40, cont. Glenwoods & Slide Brook, D4, cont.
Exochus flavomarginatus 1 ♂ at 1

Stenomacrus sp. many, ♀♀ only seen, at 1: a few only
Homocidus signatus 1 ♀ at 1. H. [illegible] 1 ♂ at 2
Promethes sulcator frequent: ♀ from 1 etc. H. [illegible] ♀ at 1
[illegible] falcatus? 1 ♀ at Brook, at 1.
[illegible]: only [illegible] seen: kept 1 ♀
= ♀ at 1, not taken, ent. 23.
Gonotypus melanostomus Th. ♀ at 3.
[illegible] 1 ♂, from 1, with [illegible]

Bracon epitriptus ♂♂ & ♀ at 2, ent. 31, 32 & 26 respectively
B. cf. longicollis? ♂ at 2, ent. 34, [illegible] hind femora ♂.

Apanteles [illegible] ♂♂ not kept: all seen.
Microgaster sp.? 1 ♀ at 2 ([illegible]) ent. 28.

Meteorus abdominator ♀ at 2, small sp., ent. not at base, 32 ag.
3 ♂♂ at 3 & 4, ent. 37, 37 & 39. ag.
M. fragilis 2 ♀♀ at 2, ent. 31 & 33

198

S. G. 40, cont. Glenwoods & Slide Brook, D4, cont.
[illegible] rufipes 1 ♀ at 2 & 3, not kept.
[illegible] 1 ♀ at 2, ent. [illegible] at base

Opius [illegible] frequent: not kept.
O. [illegible]? several: not kept.
O. cf. [illegible]? 1 ♀ at 2, ent. 25.
Bracon [illegible] several, at 1 & 2: not kept.

Adelura apii 1 ♀ at 3.
Aspilota (Synaldis) sp. ♀, only one seen all day, at 2
= A. (S.) [illegible] ent. 19.
Dacnusa areolaris, erythra, elegans, [illegible] (many), affinis, [illegible] (2 at 1), [illegible]? (1 at) & sp. [illegible]. Kept the following:—
D. erythra ♂ at 1, ent. 30. D. [illegible] 2 ♀♀ at 1, ent. 26 & 27.
D. cf. [illegible]? ♂ & ♀ at 2, ent. only 32 & 32. D. cf. [illegible] ♀ at 2, ent. only 27, 32, [illegible]
D. cf. [illegible]? 2 ♀♀ at 2, [illegible] ent. 25 & 26, [illegible]
D. [illegible] ♀ at 2, but only 23. ag. ent.
D. [illegible] ♀ at 2, ent. 30.
D. [illegible] ♂ at 2, [illegible] at 3, ent. 26 & 27. ag.
D. [illegible] ♂ at 2, ent. 27.

199

5 p. 40, cat. [illegible] & [illegible] Bk., [illegible], cat.
[illegible] conjugens pregnant; 1 ♀ taken with partially wing-less [illegible] old segment & 6 normal ♀ taken for comparison; both from 2, and [illegible] 21 & 20, respectively.

Ephedrus plagiator 2 ♀♀, at 2.

Aphidius: only about six seen all day & one taken.

Diptera: very common first taken; only 2 from 1, 2 from 2 & 1 from 3
= Trichocera longicornis ♀ at 1. [illegible] pallida ♂ & ♀ at 1.
Trichocera [illegible] 2 ♀♀ at 2, on [illegible].
Trichocera ? of [illegible] 1 ♂ at 3.

Red Admiral butterfly seen at 2 on Loosestrife.
Wall Butterfly very common.
Common Blue & Small Copper [illegible] seen.

Hemiptera & sp.
= 2 at 1.
1 at 2.

17 specimens from 1, 36 from 2 & 19 from 3 mounted & then labelled April 1943 — the [illegible] labelled [illegible] 1943 & [illegible]; but not sorted & put away till Oct. 1943.

200.

8th Sept. 1942. A cold day, N.W. wind & showers in afternoon, following [illegible] on previous night, the first wet rain for a long time. [illegible] the [illegible] flooding channel [illegible] of [illegible], [illegible] & a drenching shower with [illegible], [illegible] later [illegible] again [illegible] road, insects in [illegible] quantity [illegible], especially after previous [illegible].

Swept first along road under [illegible] tree at S. end of channel, & off [illegible] of same, this is Co. KD (= 1); later on W. side of wall & at N end of channel under [illegible]; swept off young [illegible] (= 2); between 6 & 6.30 swept a little round [illegible] at head of channel & under hedge near same, in Co. KD. (= 3) but vegetation too wet, wind too strong, edges of ponds too trampled by cattle & ripe seeds of Bidens cernua too troublesome in net.

[No [illegible] or Sawflies seen at all!]

Hypomecus quadriannulatus 2 ♀♀ at 1 & 2.
Cratichneumon cf. rufifrons 1 ♂ at 2.

201

E. G. 40, cont. Glending, N.D. & Wt., contd.

[illegible] [illegible] ♂ 1 ♀.

[illegible] [illegible]

Cryptids: very abundant, but hardly any kept, including [illegible] & [illegible] [illegible] [illegible], Cryptus sp., [illegible] sp., Stilpnus gagates, ♂♂; Hept. [illegible] [illegible]

Pimpla [illegible] Prov. 1♀ at 1.
P. quadridentata 1♀ at 1.

Polysphincta [illegible] ♂ at 2.
Lissonota 1♀, [illegible] sp. not kept.

Plectiscids abundant & only a few kept, as follows:-
[illegible] ♂ at 1 & [illegible] ♂ at [illegible]
Proclitus ♀ at 1. [illegible] ♀ at 1, at 4
P. [illegible] ♂♀ at 2, aut 20. [illegible] ♀ at 2, aut 21
[illegible] ♂ at 1, aut 21. [illegible] ♂ at 2
[illegible] 10♂: not kept.
Lathrolestes marginatus? ♀ at 2, aut. 35 mg.

202

E. G. 40, cont. Glending, N.D. & Wt. cont.

[illegible] ♂ at 1. [illegible]? ♂ at 2.

[illegible] [illegible], [illegible] [illegible] ♂ 2 [illegible]

Bassus tricinctus 1♂
Promethes [illegible] at 3.
P. dorsalis ♂ at 2.
[illegible] [illegible] 1♂ at 3.
Homocidus [illegible] 1♀
[illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible]
[illegible] [illegible], a few ♂♂ & ♀♀.
St. [illegible] ♀ at 1, aut 34. [illegible]
St. [illegible] ♂, at 1, aut 33, at 2.
St. [illegible] ♂♀ at 3. [illegible] ♂♀ at 2.

Orthocentrus radialis & [illegible] ♂♀, the former very common, the latter rare, [illegible] ♂♂ of [illegible] both taken.
O. [illegible] ? 1♀ [illegible] not kept [illegible]

E. of 40, cont. Glenburn, ND-N1, cont.
Campopleginae frequent but none left –
Mesochorus frequent, but only left 2 long ♂♂ & ♀ sp.
= M. [illegible] [illegible]

Bracon 1 ♀ at 3 [illegible]
[illegible] [illegible] ♂♂ & ♀♀ frequent at [illegible]
Rhogas [illegible] ?: 1 ♂ at 2, [illegible]

[no [illegible] seen]
Euphorus similis ? at 2.

Perilitus pumilio? 1 ♀ at 3, with 18 seg. antennae.
Meteorus [illegible] ♂♂ & ♀♀ common.
M. scutellator 1 ♀ at 1, dark var.
Blacus [illegible] (not [illegible]).
B. trifasciatum ♀ at 1, with 20 seg. ant.
B. [illegible] ♂ at 2, ant. 18 seg.
B. humilis 1 ♀ at 1, 3 ♀♀ at 2, all ant. 17-seg.
[illegible] [illegible] ♂ at 2 & another ♂ at 3.
Triaspis [illegible] ♀ at 2.
Opius [illegible], [illegible] & [illegible], common
O. [illegible] [illegible] 1 ♂ & ♀ at 2. [illegible]
O. [illegible] ♀ at 1. ant. 26-seg. O. communis ♂ at 3 ant. 23-seg.

E. of 40, cont. Glenburn, ND-N1, cont.
Alysia [illegible] [illegible]
A. [illegible] ♂ at 2 (ant 38), ♀ at 1 (ant 34).
[illegible] [illegible] ♀ at 2.
Pentapleura pumilio 2 ♀♀ [illegible].
[no Phaenocarpa ?]
Orthostigma pumila ♀ at 2, ant. 18-seg.
O. cf. [illegible] ♂ at 2, ant 22-seg.
Aspilota spec., ant. 18 all told = A. [illegible] ; & ♀♀ from [illegible] ant. 15-16 seg. ♂, 2 ♀♀ from 3, ant. 17, 18 & 16 seg
A. [illegible] ♀ at 2, ant. 20. A. cf. [illegible]? ♂ at 2, ant. 15.
A. cf. [illegible] ♀ at 3, ant. 17 & rather slender!
A. cf. [illegible] ♀ at 3, ant 17, a little shorter than body.
A. (Synaldis) cf. [illegible] ♀, with 18 seg. ant. at 3.
Dacnusa common: [illegible], [illegible], [illegible], [illegible] ?, [illegible], [illegible], [illegible], [illegible] : the following left: –
D. [illegible] [illegible]
D. [illegible] ♀ [illegible]. D. [illegible] ♀ at 2, ant 31 seg.
D. [illegible] ♀ at 3, ant. 29.
D. sp.? ♂ near [illegible], at 3, 24 seg. ant., small dark wings & [illegible]
[illegible] cf. short antennae, 1 ♂ at [illegible] ♀, ant. 29 seg ant.
NB. [illegible] ANS 10-10-63
C. n. sp.? 1 ♀ at 3. ant 29 seg ant. [illegible] ♂ at 3
[illegible] [illegible] 2 ♂♂ at 3

205

8.9.40 contd. Glending, Co. KD – Wl cont.

Toxares deltiger 2 ♀♀ at 3 [illegible] (with [illegible] ♀)

Aphidius spp. very rare, 10 at 2, a few at 1, at 3, none left except of [illegible] at 1, and 16.

Proctos, very abundant (but only 3 few kept) none Phaenoserphidae.

Those kept :— Exallonyx of compressus ♀ at 3
Anomalonyx [illegible] at 1
Diapriid at 1, 3

[illegible] 1 & 2 wild.

Wall butterfly common along roadside.

206

11th Sept. 1940. A fine day, warm, dull, windy (NW) after some rain, & a rather deep depression had passed during the night.

Drove to Kilkea Park, Co. KD., with A.W. Stelfox & Miss Jean Thomson, where met Rev. K.M. [illegible] of Athy: arrived at 11.30 A.M. left at 6.30 P.M. Collected before lunch near where car left at E end of deerpark (=1); after lunch from same place to ENE corner of deerpark in ride & under trees etc. (=(2)); then along sheltered side of wheat-stubble field E. of demesne (=3); after tea collected only for Diapriids in same part of woods as 2 (=4). Kept 25 from 1, [illegible] from 2, 12 from 3 & 5 from 4 & then killed [illegible] Also 5 labelled [illegible]

Kilkea Park, Co. KD.

[illegible] [illegible] [illegible] [illegible] of [illegible] [illegible] of [illegible] [illegible].

[Except some Mymarids ♀♀, & perhaps a [illegible] escaped [illegible], neither [illegible] & no [illegible] seen all day]

Dryinid pupa (= sack) on side of green yellow leaf on nettle at 2: a very common small bug [illegible] in very abundant at this season: never emerged!

[illegible] [illegible] at 1.

10·9·40, cont. [illegible] Park, N.B., cont.

1 ♂ [illegible] at 2 = [illegible], [illegible] ♂

[illegible] = [illegible]

[No [illegible] of [illegible] seen all day] [illegible]

Cryptinae very abundant but few [illegible] [illegible] left. Those seen include [illegible] 27 Leptocryptus aereus, Pezomachus [illegible], Hemiteles [illegible] [illegible]. Those left = 10, as follows: —

Leptocryptus aereus ♂ at 1; Lepto. [illegible] ♀ at 2; Pezomachus [illegible] ♀ at 1.
Gelis [illegible] ♂ [illegible] at 1. [illegible] ♀ at 1.
[illegible] ♂ at 1 [illegible] [illegible]
[illegible] ♂ at 3 =

[No [illegible] seen all day]

Lissonota commixta ♂ ♀ at 3, not left. [illegible], [illegible] unicincta Holmgr. [illegible]

Orthocentrus radialis [illegible] [illegible]

Stenomacrus ventralis 1 ♀, not left, at 3.

[illegible] ♀ at 4, not 32 [illegible]

[illegible] 2 ♂ ♂, 1 ♀ at 4, not 31-33 [illegible]

10·9·40, cont. [illegible] Park, N.B. cont.

[illegible] at 3.

Promethes pulchellus [illegible]

Bassus [illegible] [illegible] seen all day.

[illegible] 1 ♂, not left.

[illegible] of [illegible] [illegible] ♂ at 4.

[illegible]

[illegible] not common. "Scarcity" [illegible] [illegible] abundant, [illegible] 9·40 none mounted!"

[illegible] seen [illegible], not left.

[illegible]

[illegible] ♀ at [illegible] [illegible] ♀ at 2, not [illegible] [illegible]
[illegible] ♀ at 2, not 19 [illegible] ♀ at 2, not 19.
[illegible] 2 ♂ ♂ at 3, not 28 & 29 respectively. Megastylus ?? ♂ at 3, not 29.

[illegible] 1 ♂ at 3, not 25, legs very black, thighs very narrow.

B. [illegible] 1 ♀ at 3, not 29

Colastes braconius [illegible] none left at [illegible]

Rhogas circumscriptus 1 ♂ at 1, not 46.

[illegible] 1 ♂ [illegible]

[No [illegible] seen!] But from a [illegible] of [illegible] taken by [illegible] 36 [illegible] emerged [illegible] from [illegible] 12 [illegible] [illegible]

Microplitis [illegible] ♂ at 3.

Orgilus [illegible] 1 ♀ at 3, not 29.

10.9.42, cont. Kilkea Park, KD., cont.

Meteorus scutellator ♀, pale antennae, [illegible], at 1, ant. 32

M. [illegible]: ♀ at 2, ant. 25.

Perilitus [illegible]: 1♀ at 1, ant. 18.

[illegible] at 3, ant. 21 =

Eubadizon [illegible] 3♀♀ at 2 not kept

Bracon tripudians ♀♀ common at 1 & 2: abundant.

B. [illegible] 1♀ at 2. [Dacnusa [illegible] ♀ at 2

B. [illegible] 1♀ at 2. Antennae too long & [illegible]

for [illegible], [illegible] than the type of B. [illegible] 5 or 6. {AWS 20/10/42.

Opius [illegible] 1♀ & O. [illegible]

Opius [illegible] 2♂♂ at 2, ant. 23 & 25. cf. [illegible] AWS [illegible]

O. cf. communis? a small (♂ or ♀ [illegible]) [illegible]

& 23. very [illegible]. [illegible] AWS 30.12.43.

Alysia lepida? 1♀ (not kept [illegible])

A. [illegible] 1♀, small, dark, at 2.

Pentapleura pumilio 1♀ at [illegible]; at 2. not kept.

[illegible] 1♂ at 2

[illegible] 1♀ [illegible]

Aphaereta 1♂♂, 3♀♀ (1♀ not kept) at 2

12.9.42, cont. Kilkea Park, KD. cont.

Aspilota [illegible]

A. [illegible] ♀ at 2. [illegible] ant. 23.

A. [illegible] ♂ & ♀ at 2. [♀ at 2, ant. 20. = small [illegible]! AWS [illegible]] [illegible] ♀ at 2, [illegible] ant.

A. cornifrons ♂ at 4, ant. 26. [illegible] A. cf. [illegible] ♀, [illegible], at 1, ant. 20.

A. cf. [illegible] ♂ & 1♀, ant. 22, at 2. also 1♀ at 1, ant. 20.

A. cornifrons? 3♀♀ at 1, ant. 17. A. clara 4♂♂, ant. 18, 19, ♀ 21, at 1 & 2; & also a ♀ at 4, ant. 16.

A. [illegible]: a dark ♀ at 1, ant. 15. A. (Synaldis) [illegible] ♂ at 3, ant. 19.

Dacnusa [illegible] 1♀ [illegible]

[illegible] at 2; = [illegible] 1943

D. [illegible] not kept.

D. cf. [illegible] ♀ at 1, ant. 27.

D. [illegible] at 2, ♂, ant. 23. D. [illegible] ♂ at 3, ant. 22

D. [illegible] ♀ at 1, ant. 25

Trioxys [illegible] 1♂ at 2.

[illegible]

[illegible] abundant [illegible] not kept.

St. Anne's, Clontarf, Co. DU. 11.9.43. Taken by E. O'Mahony.

Bracon [illegible] ♀

Dacnusa [illegible] ♀.

244

15th Sept. 1940. A fine day with N.W. wind & warm sunshine, after a deep depression & a [illegible] [illegible] with rain, [illegible] [illegible] again. "[illegible]"

In afternoon drove to Leixlip bridge over canal & railway, then left car & walked W. along tow-path for a mile & back: swept at intervals beside canal & under trees, &c.

Very nice ground & [illegible] much of my collecting place. 3.0 till 6.15 P.M.

Royal Canal, W. of Leixlip station, Co. K.D.

Bombus lucorum [illegible]

B. agrorum a few seen. 4♀♀ labelled R. Can. K.D. Co. 15.9.40 A.W.S. A.W.S. 1/1/42.

B. muscorum a number of ♂♂ seen & [illegible] very fresh.

B. derhamellus several faded ♀♀ & 1 fresh ♀ sipping at flowers of Red Clover.

Except one Vespa [illegible] swept, no other aculeate seen.

Athalia sp. the only sawfly seen, but [illegible] numerous & [illegible] the pedunculate egg or [illegible] of [illegible] brought home. see later →

Ephialtes [illegible] ♀

Gonatopus [illegible]? 1 ♀, a very beautiful insect.

Hemiteles ♀, [illegible], [illegible].

Pezomachus ♀, [illegible]

Phygadeuon? 1 ♀.

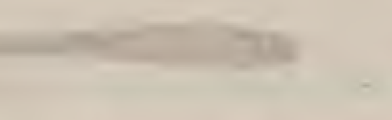
245

15.9.40, cont. Royal Canal, K.D., not Leixlip station large [illegible] [illegible] ♀.

P. [illegible] 2 ♀♀ } not kept.

P. [illegible] ♀ }

[illegible] [illegible]? 1 ♀.

[illegible] sp. a beautiful ♀ [illegible] [illegible] along hedge. When walking between blotting paper & [illegible] the ♀ turned her head sideways & so made her [illegible] body the shape 0 instead of the [illegible] which is normal when viewed from front. The ocellar area on top of head was seen to be pale & soft & [illegible] [illegible] [illegible] turning [illegible] the area had collapsed into a U-shaped trough taking the ocelli with it & bringing the eyes [illegible] & closer together. Antennae 21 segmented. Terminal [illegible] club-shaped  & some [illegible] [illegible] [illegible]. 3rd antennal segment [illegible].

Orthocentrus [illegible]? [illegible] [illegible].

Mesoleius ? not kept

Polyblastus? 1 ♂ = [illegible]

15.9.40, cont. R Canal, N.D., cont.
Campoplegids: about 80 sp.: not left the following
Gonotypus [illegible] 1♂, 2♀♀.
[illegible] [illegible] 2♀♀
Metatoria 2♀♀ [illegible] 2♀♀.
Mesochorus 1, not left.

Bracon [illegible] 1♂, 2♀♀ (only 2♀♀ left)
Rhogas nigriceps 1♀.
Apanteles 2♂♂ not left.
Syntretus [illegible] ?? 1♂, 1♀ [illegible] very small & smooth
[illegible] small black sp. 1♂, with only 19 seg. ant.
P. [illegible] black sp. 1♀, with 25-seg. ant.
Meteorus cf. pallipes 1♀, with pale mark [illegible] below.
Blacus [illegible] 1♀ not left.
B. [illegible] 1♂, 1♀.

Opius 2♂♂ not left, cf. spinulatus & [illegible]
Phaenocarpa [illegible] 1 small ♀ not left.
P. [illegible] 1♂ not left
P. [illegible] 1♀.
Pentapleura pumilio 1♂ not left

15.9.40, cont. R Canal, N.D., cont.
Aphaereta [illegible] 2♀♀: not left.
Adelura apii 1♂, 2♀♀, [illegible], [illegible] a few small plants of Cow Parsnip near.
Alloea contracta 1♂, 2♀♀, not left.
Aspilota not more than 8 or 9: the following left: –
= A. sp. near [illegible] 1♀, [illegible], 22-seg. long antennae, [illegible],
but [illegible] with no [illegible]
A. smaller sp.: 1♀, 19-seg. [illegible] antennae, [illegible]
A. [illegible] 1♂, 15-seg. ant. [illegible], ♂.

Dacnusa areolaris, [illegible] 1♂, [illegible] examined.
D. [illegible] 1: not left.
D. affinis 1♀. D. [illegible] 1♀ ([illegible])
[illegible] [illegible]? 1♀(?) dark, small, only 15 seg. ant.
Toxares deltiger 1♂. Ephedrus validus 2♀♀.
Aphidius [illegible]? 1♂, 2♀♀. (only 1♂ & 1♀ [illegible] ANS. [illegible])

Proctos. not [illegible] 1 only 6 [illegible] left: =

P.T.O.

15.9.40, cont. R. Canal, N.D., cont.

Larvae of sawflies:

One plant of Salix (? purpurea) with very small narrow pale green leaves almost defoliated by side of canal about 6-8 larvae found & brought home. (See below)

Many green & purple-tinted larvae on willow offshoots(?) by tow-path: one of these brought home & it had 2 (one black, one brown) larva-like objects visible beneath its skin, the black one forward, the brown one aft, & one [illegible] had a stalked egg on pedicel between head & 1st thoracic segment. Larvae not brought home had a white projecting mark visible back in centre of about 7-8 segment behind head

From the above larvae emerged in 1941 the following: —

13th May 1♀ Pteronidea melanaspis + 2 other ♀♀ a few days later, which latter I put out on Salix cinerea in garden.

5th June 4 large ♂ Mesoleius appeared in pot

30th May. 4 ♂ sawfly: Pontania ? sp.

9th June 6 ♀ Pontania, with dark stigma

14th " 6 ♂ " " " "

16th " 6 ♀ " " " "

} Possibly bred from galls on S. purpurea? some of which were brought home

14th Sept 1940. A perfect warm [illegible] (the first [illegible]) with heavy showers in afternoon & evening, strong S.W.–W. wind, mild, after a deep depression. In afternoon drove to Glenasmole & swept in three places above reservoir. Many insects out in shelter. Heavy shower at 5 p.m. ended collecting.

Glenasmole, Co. Dublin. 3 till 5 p.m.

1 = by path from reservoir to upper dam (i.e. N path)

2 = on shore of upper reservoir just below where pipe from Slade Brook Channel is taken into reservoir

3 = same as 1 only swept in reverse direction & includes area under trees just above reservoir

[illegible] — a few Tenthredinid [illegible].

Ichneumonidae. Very few [illegible], but [illegible] [illegible] & these [illegible]; only [illegible] Mesoleius [illegible], only one [illegible] & one [illegible]. The following were kept or noted. (34 kept & these labelled 2/1/1942) (15 from 1, 12 from 2 & 7 from 3)

[illegible] ♀ [illegible]

1 ♂ [illegible] ♀ ♂, very large, at 2.

Hemiteles ? ♀, long terebra, at 2. B. ♂ at 2

[illegible] ♀ at 3.

Johnsonia or [illegible] ♂ at 2.

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19. 9. 40, cont. — [illegible], D., cont.

[illegible] elegans 1♂ at 2

E. [illegible] 1♀ seen, ♂ at 2 ([illegible]).

[illegible] seen.

[illegible] ♀♀ [illegible] & [illegible]

[illegible] of [illegible], at 2.

[illegible] ♂♂ & ♀♀ [illegible], none kept.

S. [illegible]? ♂ & S. [illegible]? ♀ [illegible] at 1, [illegible] 21 seg. ant.

S. [illegible]? ♀ at 2. S. [illegible] ♀ at 3, [illegible]

H. [illegible] 1♂ & 2♀♀ [illegible], not kept

H. longicornis 1♂ at 2, (? [illegible]).

[illegible]? 1♀ at 2.

[illegible] ♀♀ seen.

[No [illegible], no [illegible] seen]

[illegible] ♂ & ♀ seen, not kept.

M. 1♀ at 1.

M. [illegible] 1♀ at 2.

[illegible] ♂, at 1.

[illegible] 1♂ not kept.

[illegible] 1♂ at 1 & 1♀ at 3, not kept.

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19. 9. 40. cont. [illegible], D., cont.

[illegible] ♀ at 3

[illegible] 1♂ at 2; not kept.

[illegible] 1♀, at 2, 29-seg. ant.

C. rufipalpis ♂ at 1; 17 seg. ant.; C. [illegible] ♀ [illegible] 20-seg. ant.; C. [illegible] } ♀ at 1.

C. v. large, rufipalpis ♀♀ } at 1. 17-seg. ant., [illegible]. C. [illegible] } ♀ at 2, 21-seg. ant.

C. v. large rufipalpis 16 seg. ant., [illegible] } (♂) at 3.

E. ([illegible]) [illegible]? 1♂ at 1, not kept.

[illegible] ? ♀♀ seen.

D. [illegible] & [illegible] ♀♀ of both occurring.

D. [illegible] ? nov. ♀ at 1, 21 seg. ant., [illegible], [illegible]

D. [illegible] nov. ♂ at 1.

D. [illegible] 2 ♂♀ at 2, occurring

Aphides on Leontodon hispidus brought home, together with 1 ♀ [illegible] [illegible] same [illegible] [illegible]. [illegible] the [illegible] watched "stopping" [illegible] aphids, [illegible] process occupying [illegible] a long time [illegible] at end of 5 or 6 minutes. [Nothing [illegible] from these aphides. AWS 1940]

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19.9.40, cont. Glenasmole, Dub. cont.

[illegible] very common in places especially at 2, but only a few left. [illegible]

[illegible] [illegible] 1♂.
[illegible] common [illegible] 1♀.
[illegible] [illegible] 1♂ [illegible].
R.O'S.
4/1/1942.

20.9.1940. Taken in house in St. Anne's, Clontarf, Co. Dub., by P. O'Mahony.
Hemiteles ♀, [illegible]
Spathius exarator, small ♀

22nd Sept. 1940. A fine day, [illegible] bright & early morning, but spoiled by heavy showers at 3 or 4 P.M.

Drove, with [illegible] (for [illegible]), to road at [illegible] gate & walked down road to L. Dan. [illegible] had turned beautifully sunny from [illegible] till 2 or P.M. Returning to car crossed river ¼ mile above [illegible] Cottage & walked up stream (left bank) & through [illegible] road to [illegible] cottage & so back to car. Swept & [illegible] roadside [illegible] black Dexiinae, but almost all insects

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taken swept on left bank of Avonmore River along edge of woods [illegible]; insects very scarce except [illegible] in shelter [illegible], especially [illegible]. All labelled "L. Dan".

Valley of Avonmore River, for one mile above
L. Dan, Co. Wi. (48 insects left & these labelled 6/1/1942 [illegible])

Bombus agrorum, 1♂ swept.
B. lucorum, 1♂ seen near dam on [illegible].
Halictus rubicundus, 1♂ swept.
Formica fusca, 1♀ swept in [illegible] road.
Myrmica scabrinodis, 1♂ swept.
Hemiteles 1 ♀
H. [illegible] ♀
Stilpnus gagates 1♂ [illegible]
S. [illegible] ♀
[illegible] ♂.

[illegible] 1♀ examined & released.
P. [illegible] 1♀
Promethes [illegible] ♂.

22. 9. 40, cont. L. Dan, W., cont.

[illegible] 1 ♀.

[illegible] 1 ♂.

[illegible] [illegible] ♂♂ & ♀♀ [illegible]

S. [illegible]? ♂, 20-23 mg ant.

S. [illegible]? ♀, 23 mg. ant. S. deleta? ♀ [illegible] 25 mg ant.

S. [illegible]? 2♀♀, red ant., 17 mg ant ([illegible]).

[illegible] [illegible] [illegible] one

= [illegible] [illegible] 1 ♀, 22 mg ant.

Zygoneura 1 ♂

[illegible] circumscripta? 1 ♂ 20 mg ant

[illegible] [illegible] 1 ♀.

[illegible] bicolor 1 ♀.

[illegible] [illegible] ♀♀ not kept

Allodia contracta ♀.

[illegible] ? a male?, ant 22 mg

A. [illegible]? 2♀♀, ant 21 mg.

A. vulgaris? large, ♂ & ♀, ant. 21-19 mg

G. [illegible], a small ♀, ant. 17 mg to 23 mg ant., red [illegible].

[illegible] of new genus? [illegible]

Sent with [illegible] 4.9.38 [illegible]

[illegible] [illegible] and N of [illegible]

[illegible] D. [illegible] 1 ♂, ant 30 mg

[illegible] [illegible] [illegible]: 1 ♀, 20 mg ant kept. dorsal [illegible]

[illegible] 1 ♂, not kept.

[illegible], [illegible] & [illegible], etc.

7 [illegible], 20 kept = [illegible] [illegible] 2 ♂♂

Rhamphomyia [illegible] 2♀♀. Rh. [illegible] 1 ♂. Rh. [illegible] 1 ♂.

[illegible] [illegible] ♀. Ex. [illegible] 2♀♀. Ex. [illegible] 3♀♀

Above Rhamphomyia identified with [illegible] table 7/1/1942 A.W.S. & so labelled

22. 9. 40, cont. L. Dan, W.

[illegible] 3♀♀

[illegible]

[illegible]

24th Sept. 1940. A cold day, but mild in shelter & [illegible] [illegible] intermittently [illegible] [illegible] night. Afternoon spoiled by [illegible] at 2 p.m., just as [illegible] [illegible] of [illegible]: almost [illegible] after the [illegible] with cold NW wind [illegible] up valley.

At 6 p.m. [illegible] [illegible] [illegible] [illegible] Both [illegible] [illegible] & [illegible] [illegible] flooded roads & [illegible] [illegible].

Later drove to [illegible] to [illegible] [illegible] & George, the latter just out of [illegible] hospital where he had been [illegible] up with [illegible] for five weeks.

Glenasmole, Co. Dublin
(with E. O'Mahony) 2.0 till 6.0 P.M.

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24.9.40, cont. Glenasmole, Dbl., cont.

1 = Swept under trees at head of upper reservoir where pipe comes in from Slade Brook channel & along edge (W) of reservoir where boat is moored.

2 = Under trees from upper dam to moorings & by path.

3 = Under trees at hut half way down W. side of lower reservoir & for 100 yards below hut. [Besides those previously labelled, 6 from 1, 36 from 2 & 23 from 3 labelled 9.1.1942 A.W.S.]

Mirax spartii Hal. (= M. rufilabris Thl.)
1 ♀ swept at 1 on shore just above boat & not five minutes after I had been telling O'Mahony my hope I never could get this species on broom as Haliday did. At this place there is no broom, but this is abundant by the 'Slade' channel not far away. Labelled with other [illegible], 22/6/42 A.W.S.

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24.9.40, cont. Glenasmole, Dbl., cont.

[illegible] [illegible] 1 ♀ at 1.

[illegible] pubescens ♀ at 1.

[illegible] [illegible] 1 ♀ ant. 20 seg. at 3.

[illegible] [illegible] 1 ♀, 15 seg. ant. [illegible] at 1.

[illegible] [illegible] 1 ♀ at 1.

[illegible] [illegible] ♀ at 1. [illegible] ♀ at 2.

[illegible] [illegible] 1 ♀ at 3 [illegible]

[illegible] [illegible] ♀ with [illegible] from at 2, [illegible] [illegible]

[illegible] [illegible] 1 ♀ at 3.

[illegible] [illegible] ? ♀, Holl., at 3.

[illegible] 1 ♂ [illegible] [illegible], 2 ♀♀ at 2 & 3 [illegible]

[illegible] [illegible] 1 ♂ at 3.

Eucoila [illegible]? ♀? at 1. (either this or [illegible]).

Stenomacrus confinis? 1 ♀ at 2, ant. 21 seg.

St. ? same as last. 1 ♂ at 3, ant. broken at 19th seg.

St. rufus? 2 ♂♂, at 2, with ant. 21 & 22 seg.

[illegible] scutellaris ♀ at 3.

[illegible] ? [illegible] ♂, black, 32 seg. ant. at 3.

[illegible] [illegible] ♀ at 3.

[illegible] ♀ at 3, ant. 20 seg.

24.9.40, cont. [illegible], D², cont.

Rhogas [illegible]? ♀ at 2
Mirax spartii Hal. see p. 223 ante.
Blacus [illegible] ♀ at 3.
B. [illegible] ♀ at 3

Diospilus capito? ♀ at 1.

Opius "spinulatus" ♂ & ♀ at 3, with 24 & 22-seg. ant.

Microcarpa rufiiceps ♂ at 2.
Aspilota spp. 1♂ & 10♀♀ at 2; 20♂♂, 5♀♀ at 3:—
= A. rufata with 1♂ at 2 & 1 at 3 (with 15-seg. ant.), 4♀♀ at 2 (with 16 & 17-seg. ant.)
also 1 ♀ at 3 (with 16-seg. ant.).
[illegible]
A. flaviceps sp. n. ♀, ~~[illegible]~~, 20 seg. ant. Type. [illegible] 1942.
A. cylindrica with ♀ at 2, 33-seg. ant.; [illegible] completely [illegible]. cf. [illegible]
A. vulgaris with ♀ at 2, 16-seg. ant.
A. [illegible] with ♀ at 2, 15-seg. ant.
A. minutissima with 3♀♀ at 3, with 16 & 17-seg. ant.
A. minutissima with 1♀ at 3, with 16-seg. ant.
A. minutissima? 1♀ at 2, with 16-seg. ant.; [illegible] same as last.
A. (Synaldis) concolor? 1♂, 23-seg. ant. at 3.
A. (S.) [illegible] 1♀ at 3, with 15-seg. ant.

Dacnusa [illegible] 1♀ at 1, 20 seg. ant.
D. [illegible] ♀, 32-seg. ant. [illegible], at 2
D. [illegible] ♀, [illegible] 22-seg. ant., at 2
D. [illegible] 1♀ at 2, with 15 seg. ant.
D. [illegible] ♀ at 2, 23-seg. ant.

[illegible] ♂♂ at 3, mtd. on same card! [illegible] with 13 seg. ant.
[illegible] ♀ at 2 ([illegible]).
P. [illegible] ♀ at 2 ([illegible]).
Proctos. 1 at 1, 9 at 2 & 2 at 3:— [illegible] 1♀ at 1.

2nd Oct. 1940. Took a nice ♀ Phygadeuon in [illegible] in [illegible] =

{Small sp. at 3 =
[illegible] {A pretty black sp. with [illegible] (ROM) =

29th Sept. 1940. Taken by R. C. Faris at [illegible], Co. CV.
[illegible]
Orthocentrus [illegible] 2♂♂, at on same card.
Rhogas [illegible] 1♀, very small, 32-seg. ant., [illegible] [illegible]

SLIGO TRIP Oct 1940.

4th Oct 1940. Left home alone (George & Dairine going to Rostrevor!) at 9.40 a.m. just as a drizzle started, it eventually falling a heavy rain [illegible] for days, after which fine till 1.30 p.m. Drove through Longford then it began to clear off; lunch at point N of Roosky (natural bridge on R Shannon) 83.5 miles from Dublin, which reached in 2 hours 5 minutes, as road very slippery & one [illegible] [illegible] [illegible] [illegible] [illegible] "[illegible]" just W. of R Boyne.

After lunch drove on to Boyle where stopped for petrol: then over Curlew Hills in sun & had grand view over L. Arrow to Ben Bulben & Truskmore but not to [illegible] a gorge [illegible] getting into [illegible] at Ballysodare. Then floods of rain descended for a couple of hours. Reached Mrs Crichton, "Carrowgarry", at 3 P.M.

& after afternoon tea walked across fields to sea-shore in sun. Collected a few specimens of [illegible] under stones on shore, amongst sea-weed & [illegible] for C. Kelly. And so ended the first day.

5th Oct 1940. After a stormy night a dry & still morning with S.E. wind. Did an hour's botanising in [illegible] S.E. of house before the wind turned then to SE & floods of rain descended till 5.30 P.M., then wind going round to S.W. & it began to clear.

The following [illegible] taken between 10 & 11 A.M.
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]

Specimens noted [illegible] [illegible]
St. ♂
St. ♂
[illegible] ♀

[illegible] [illegible]

229) 5.10.40, cont. Carrowgarry, Sl., cont

Aphodius [illegible] : ♂♀
[illegible] sp. ♀
[illegible] 3♀♀.
[illegible] 1♀.
Dromius [illegible] } Common.
D. [illegible] ? }

[illegible]. Common.

Bugs.

5th - 6th Oct 1940.
On this night a terrific storm when wind went back to W., which brought down all the apples in the orchard & broke trees, &c. The morning of 6th was dull but fine & I went W. along shore nearly to Port Royal & collected

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6th Oct 1940, cont. Carrowgarry, Sl., cont. in fields & along shore W. of the [illegible].
On cow pats in fields took :—
Phaenocarpa picinervis 2♂♂
Pentapleura [illegible] 3♂♂.
[illegible] 1♀, small =
Cynipid, 1 =
On decaying sea-weed on shore, especially in sandy bay towards Port Royal, were dozens of [illegible], apparently all ♂♀.
Also took on sea-weed 1♂ of [illegible].

In afternoon picked up apples, & helped in a bit [illegible] collecting.
In late evening there was a further terrific deluge & then a fine night.

7th Oct 1940. A fine day, with sun but warm & keen W. breeze. Insects plentiful in shelter on sunny side of plantation by lane leading past the [illegible] farm to sea.

Carrowgarry lane & plantation, SL.

10.30 till 1.0 P.M.

Bombus [illegible] several ♂♂, ♀ seen.
Vespa vulgaris: ♀♀ frequent

23 labelled, 12/7/40 = AWS

Cratichneumon ♂ ♂♂ & ♀♀ not std.
Stenichneumon? nr. of or defraudator? 1♀ =
Platylabus [illegible] 1♀ Barypelid? ♀ = 1
Stilpnus pygmaeus ♂♂ & ♀♀ not std.
Atractodes [illegible] ♀♀: not std.
Hemiteles inimicus? 1♀.
Cratocryptus? of the plumatus, large, red legs, ♀, [illegible].
Pezomachus ♀♀ (only 1 not ♀) =

Pimpla turionellae ♂ ♂♂ & 1♀: not std.
Orthocentrus? 1♀, small.
[illegible] ♀♀, one ♀ very "hairy" [illegible] not kept.

7.10.40 ctd. Carrowgarry, SL, ctd.

Hemiteles [illegible] ♀ [illegible]
H. [illegible] 1♀ not std.
H. [illegible] ♀ not std.
[illegible] & [illegible] not std.
Polyblastus holmgreni? 1♀, yellow with, a very nice specimen!

[illegible] 1 large ♀.
[illegible] 1♀.
Glyptomeris? confusus? ♀, large & dark.
Campoplex [illegible]? 1♀ not std.
[illegible] 2♂♂ not std.

Mesochorus ♀
[illegible] ♂♀ not std.
Entelechia [illegible] ♂
[illegible] ♂♂ not std.
[illegible] ♀.
[illegible] not std.
[illegible], not std.

7.10.40, [illegible] Cwrrygwrwy, 26, cont.

[illegible] [illegible] ♂

[illegible] [illegible] ♀

[illegible] rufipes? ♂

[illegible] [illegible] : not ntd.

[illegible] : not ntd.

Aspilota [illegible]; see below

[illegible] : not ntd.

[illegible] ♀ : not ntd.

[illegible]

[illegible] : none ntd.

[illegible] : plentiful, none ntd.

Aspilota semirugosa sp. n. ♀, like a large rufipes, but propodeum semi-rugose on basal half instead of being sharply areolated, ant. as in rufipes, but 19-segmented. RWS. 13/1/42.

A. longicollis sp. n. ♀, legs like transfuga, ant. slender, 19 seg., 2nd cubital cell very long. RWS. 14-1-42.

A. sp.? ♂, with [illegible] & long slender 19-seg. ant., very small sp.

7.10.40, aft. Walked up [illegible] to [illegible], [illegible] of Cwrrygwrwy, to [illegible], but [illegible]! Saw one [illegible].

8th Oct 1940. [illegible] cool & breezy, [illegible] rain at night. [illegible] dripping [illegible] plantation [illegible]. In afternoon, [illegible] the border plantation & [illegible], [illegible]. Cwrrygwrwy, 6.52.

Several ntd. & those labelled 14/1/1942.

[illegible] ♀.

[illegible] ♂, 21/22-segmented antennae

Aspilota [illegible] ♀

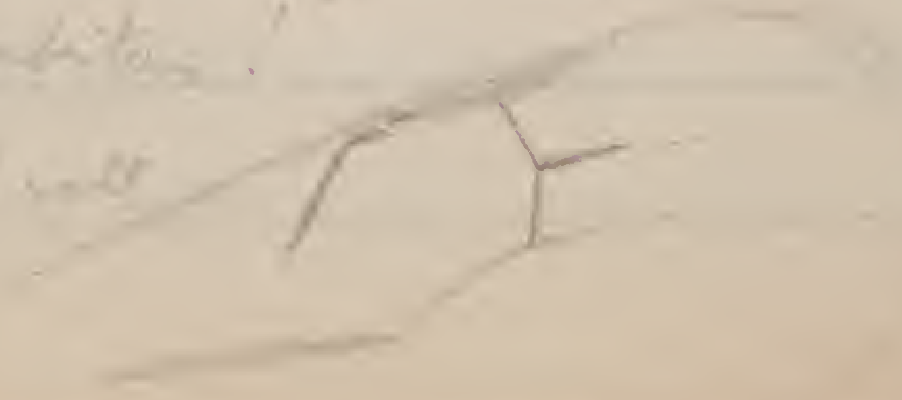
A. [illegible] ♀

Macrocentrus collaris ♂

Aspilota (Synaldis) concolor? 1♂, 21-seg. ant.

Dacnusa [illegible] ♂, 20 seg. ant.

[illegible] ♂, 19 seg. ant., cubital vein not quite absent beneath transverse cubital!



This fits Haliday's ♀ well but is rather small.
R.W.S. 14/1/42.

2d Oct 1940. Heavy rain [illegible] day from NE [illegible] [illegible]. Cooler [illegible] [illegible].

3d Oct 1940. Showery in morning, fine in the afternoon [illegible] [illegible].
Too wet to [illegible], but in afternoon went with Mrs C. E. Crofton [illegible] [illegible] [illegible] (at [illegible]) [illegible] [illegible] [illegible] about 60(?) years ago by Lady Crofton's father (Mr [illegible]), but no long [illegible] [illegible] [illegible] towards the point, the south over the ridge, [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. [illegible] [illegible] [illegible] [illegible] [illegible] (or Glebe House [illegible] the [illegible], now Lady Crofton's). Most of the area [illegible] [illegible] covered at high tide but [illegible] [illegible] [illegible] [illegible] [illegible], the [illegible] partly covered by Alder scrub, but [illegible] [illegible] & [illegible] [illegible] [illegible] [illegible] [illegible] in [illegible] [illegible] [illegible] the [illegible] [illegible]. Mrs Crofton [illegible] [illegible] [illegible] [illegible] at places.

4th Oct 1940. A fine morning, [illegible] [illegible] 2.30, [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].
Drove to Ballysadare [illegible] to [illegible] Collooney & [illegible] ([illegible]) to Glen Wood, mainly plantation of Beech, Oak & Pine on [illegible] [illegible] of [illegible], [illegible] [illegible], Hazel. There is [illegible] [illegible] over an area of [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] in the [illegible] [illegible] rocks, deep in [illegible] mosses, with some filmy fern (H. tunbridgense!) & masses of [illegible] [illegible] & [illegible]. Through this tangle of cliffs & scarps there appeared to me to run a series of overflow channels draining northwards, but these so obscured by the wood that I am not sure & they may be "natural" & not of glacial origin. I do not think I have ever seen a more varied moss-flora, more fungi or a better place for mycetozoa [illegible] [illegible].
Did a little sweeping, but [illegible] vegetation still dripping & too wet, [illegible].

11.10.40 cont. Glen Wood near Coolaney, Sl. Co.
mostly [illegible] [illegible] of Hazel, Ash,
Elm, Fern, &c.

13 wild & others labelled 18.1.1942

Sawfly! Athalia cordata ♀

Stilpnus gagates + 1♂ with red on abd.

Pimpla pomorum 2♀
Stenomacrus [illegible] [illegible] 2♂ 2♀
Orthocentrus of [illegible]? 1♀, 24 seg. ant.
O. ? ♂ of last sp. 1♂, small areolet, 30 seg. ant.
O. sp. ♀, broad areolet, 29 seg. ant.
[illegible] 1♀ ½ (as [illegible])
Plectiscus or Proclitus? 2♂ 1♀

Aperileptus [illegible] 1♂

[illegible] [illegible] 1♀

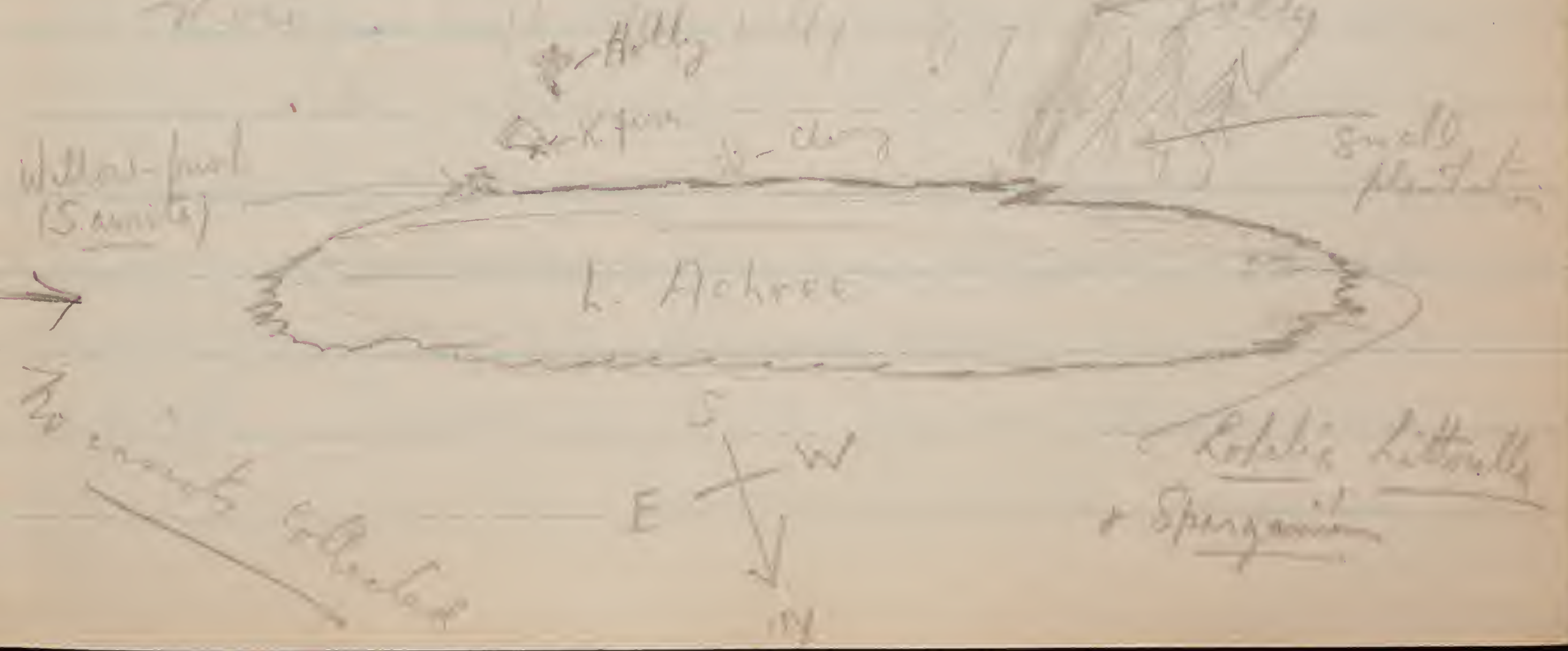
Proctos. fragments, 3 spp. =

Killarney fern seen here in 1947 by an English botanist to whom I had given details. AWS.

[R.C. Faris & Jean Cole arrived at [illegible] party in evening!]

12th Oct. 1940. A fine but very stormy day, rain in the night.

A morning run with Mrs Crofton, Jean Cole & R.C. Faris to Lough Achree where on cliffs S. of lake there is a great growth of Saxifraga umbrosa & there Mrs Crofton had some years ago discovered the Killarney Fern (Trichomanes radicans). The station for the latter plant is in the bottom at foot of a large outcrop of rock about 20 feet above lake level & 12 yards W. of a large clump of Salix aurita on the lake shore & between this willow clump & a large Holly Tree which grows out of the cliff about some short distance to N. of a Mountain Ash tree (Pyrus Aucuparia) on lake shore.



12. 10. 40, c/t.

In afternoon drove Fanny & J. Cole to the Glen Wood ("The Enchanted Wood" of Mrs Creith) through which we walked & [illegible] along escarpment to W. of same. Saw plenty of Hymenophyllum unilaterale (peltatum) on cliffs & of the Tunbridgense in glen. Also [illegible] took 2 nice insects (= Myrmica scabrinodis winged ♀. & Hemiptera [illegible] ♂ (antennae broken) but I did not collect any other except a [illegible] & ♀ of Myrmica [illegible] [illegible] in the [illegible]

13th Oct 1940. After a stormy night a fine day (no rain) but very windy (S) & no [illegible]. In morning Fanny drove J. Cole & self over gap SE of [illegible] & to cottage near L. Minnaun on S. slope of Knockachree. Here we got good escarpments (almost cliffs) above lake, but the chief plants are few, the [illegible] ([illegible] & Miss Crofton) in the 'Beech Fern', which is seen in some quantity just S. of the largest "waterfall" & at foot of same. Carduus pratensis curiously common all over the cliffs

13. 10. 40. Lough Minnaun, Co. Sk, cont.

which also has on its cold patches of [illegible] the rock [illegible] [illegible] holly, rowan & Salix aurita. The last covered with [illegible] galls on the leaves & stems.

In afternoon walked through Tanneys to sea-bank & showed F. & C. Bartsia viscosa &c. Fanny & Miss Cole left for home about 6 P.M.

14th Oct 1940. Rough [illegible] [illegible] 11.30 A.M. [illegible] S. & S.E.E. wind all day. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] Castle [illegible] [illegible] (till 12.30 [illegible]) walked [illegible] [illegible] for [illegible] [illegible] [illegible] [illegible], but too windy to [illegible] them.

P. T. O.

14 of 17 [illegible] [illegible] of [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible], 10.0 – 11 [illegible]
([illegible] [illegible] [illegible], [illegible] 2 [illegible] [illegible])

Orthoceratium [illegible] ? 1♀, 24 sq. ind.

[illegible] lateralis [illegible]

Opisa [illegible] ♀, 32 sq. ind. [illegible] [illegible]

Cephaleia [illegible] ♀, 9 sq. ind. ♀ of [illegible] ? ♀, 4 sq. ind
[illegible] = dentifemur ind.! [illegible] sq. ind.: see p 223 [illegible]!

[illegible] abdita 1♀

Rocks 1

[illegible] [illegible] [illegible], [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] except for
11 [illegible] [illegible] [illegible] Hogg [illegible], on the [illegible] Road.

16th [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]
the [illegible] [illegible] [illegible] up [illegible]
for [illegible] [illegible] [illegible]
the [illegible] [illegible] [illegible] [illegible]
the afternoon [illegible] [illegible] of [illegible] to [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] the [illegible] [illegible]
the [illegible] in the [illegible] [illegible]
of the lake. [illegible] up past the [illegible]
[illegible] of the waterfall [illegible] [illegible]
[illegible] [illegible] the [illegible] at [illegible].
[illegible] [illegible], [illegible] 3 minutes [illegible]
[illegible] [illegible]. [illegible] [illegible] [illegible] the [illegible]
of the [illegible], [illegible] [illegible] [illegible]

26

[illegible]

[illegible], 6 St. [illegible] 12.30 P.M.

4 [illegible] and others
Labelled 17.1.1942 AWS

Amblyteles [illegible] ♀.

[illegible]

Snail [illegible] [illegible] point.

[illegible]

Diphyus capito? ♂. rather long, 25 seg. ant.

[illegible]

[illegible]

[illegible], 6 St. 7.30 [illegible] 5 P.M.

[illegible] and others
Labelled 17.1.1942. AWS.

Specimens, labelled [illegible]

[illegible]

S. clavicornis [illegible] 2 ♀♀, with 16 & 17 seg. ant. respectively, these very slender with elongate basal segments, gradually widening to [illegible] segment.
AWS 18/1/1942.

[illegible] frontalis [illegible]

[illegible] : Catelastes [illegible] 2 ♂♂, 2 ♀♀.

[illegible] ♂

[illegible] ♀ =

[illegible] ♂.

[illegible] ♀

[illegible]

[illegible]

17.10.40, after [illegible] Tansey, [illegible].
Bembidion [illegible] [illegible] [illegible] [illegible].
[illegible] [illegible] 1♀.
D. [illegible] [illegible], 2♂♂ 1♀; [illegible] [illegible]
D. [illegible] 2♀♀, 1♂.

Aphodius 1♂, [illegible].

Spiders: a few: 3 mounted, including 1 tiny ♀ [illegible] = [illegible] [illegible] 1 very small ♀ [illegible]
Er. niger ♂.

[illegible] [illegible], [illegible] [illegible] Coccinella ♂.

18th Oct 1940. A dull day, with E–SE wind after a fine morning. Stayed along coast in forenoon; afternoon went up [illegible] to Lackeen & explored cliffs, & [illegible] name: Found much Osmunda growing in bed of stream in [illegible] up & [illegible] of [illegible] Fern on cliff facing east at right angles to main [illegible] & [illegible] cliff [illegible] on

18.10.40, after [illegible].

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] small cliff [illegible] [illegible] [illegible] cliff [illegible] and [illegible] [illegible] [illegible] [illegible] [illegible] from [illegible] [illegible] of [illegible] I collected a number of mosses + an association with the Filmy Fern for Mr [illegible] to look at. On the main cliff, which [illegible] [illegible] [illegible] [illegible] a [illegible] from the [illegible] cliff [illegible] [illegible] I saw no plants of [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. One beetle (Notiophilus) was collected & some [illegible] large Clausilia bidentata taken on the cliff where the mosses collected.

19th Oct 1940. A cold day, with occasional drizzle, but rain held off until I started from Ballyconnell to meet Barry. He came by 2 o'clock from Dublin arriving at B. at 6.40, but [illegible] late it being Saturday night.
The forenoon I spent half an hour with the [illegible] collecting off an oak & under some off leaves of Petasites [illegible] in Tansey's demesne

19.10.40, 9 [illegible]   Tonnego, 5 [illegible], east.
I just beside the [illegible] ([illegible])
"[illegible]" –   [17 insects etc. & then labelled 22.2.42 A.H.S.]

Cratichneumon ♀
Phaeogenes? ♀ = 1/ [illegible] ?
Hemiteles? ♀ =
Orthocentrus spinator? ♀, 26-seg. ant.
Hemiteles [illegible] [illegible] ♀.
Bracon sp. ♂
Perilitus sp. 2♂♂
Ontopomus [illegible] 2♂♂
Aphaereta 2♂♂, 2♀♀ =

Dacnusa [illegible] 1♀, 26 seg. ant., with long [illegible].

Proctotrupoidea 2♀♀ = Exallonyx longicornis ♀ &

Did not collect in afternoon.

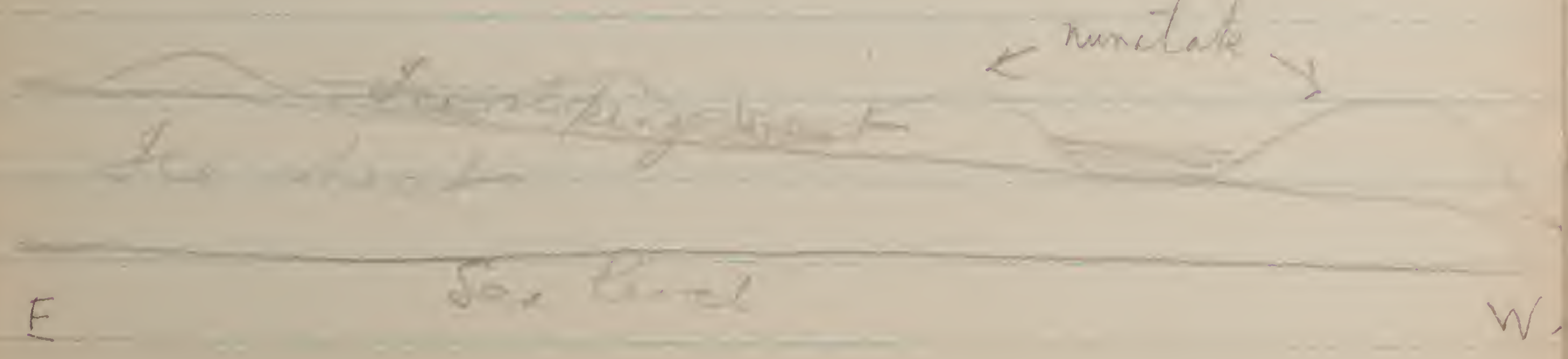
20th Oct 1940. A fine day, but [illegible] in the afternoon.

In forenoon walked along [illegible] [illegible] of the [illegible] garden at [illegible] [illegible]) & after [illegible] [illegible] to [illegible] along the lane [illegible] "rain" [illegible] [illegible] – [10 insects etc. & then labelled 19/3/42 A.H.S.]
Cratichneumon ♂   [illegible] ♀
Hemiteles [illegible] ♀, long [illegible] ant.   Orthocentrus [illegible] ? ♀
Hemiteles? ♀.
Phygadeuon ♂
Aphaereta [illegible] ♂   [illegible] ([illegible]) [illegible] ? 1 fine ♀.
Dacnusa confinis? ♀, 20 seg. ant., [illegible].
Ichneumonid?

In the afternoon drove with Dr [illegible] & party to [illegible], then left car & walked up the hill & back.

21st Oct 1940. A fine day, rather cold, with some showers & stiffish wind, but no rain worth noting.

In afternoon drove by [illegible] the [illegible] road to Glenn & back through gap in hill to Stonehall & home. On N side of gap is what appears to me to be an overflow channel belonging to the older glaciation, draining north of [illegible] across the [illegible] end of [illegible] which appears to me to have been a moraine of a late glaciation from L. Gill or Co. Leitrim district. This latter moraine appears to me to have been pushed up against the range of hills (Ox Mts.) leaving the higher part of the range standing above the ice-level as "nunataks" there. [See also p. 254 for further evidence of this → AWS]



21 [illegible] afternoon

~~22 Oct 1940~~

In afternoon drove to W side of [illegible] Head, [illegible] to see [illegible] the point [illegible] there ("[illegible]" 17) & also went down the rocks, it being low tide, to look at the [illegible] rock pools, which are filled with Purple Sea-urchins.

Did not [illegible] during the day.

22nd Oct 1940. A fine day, but [illegible] & [illegible] cold all day.

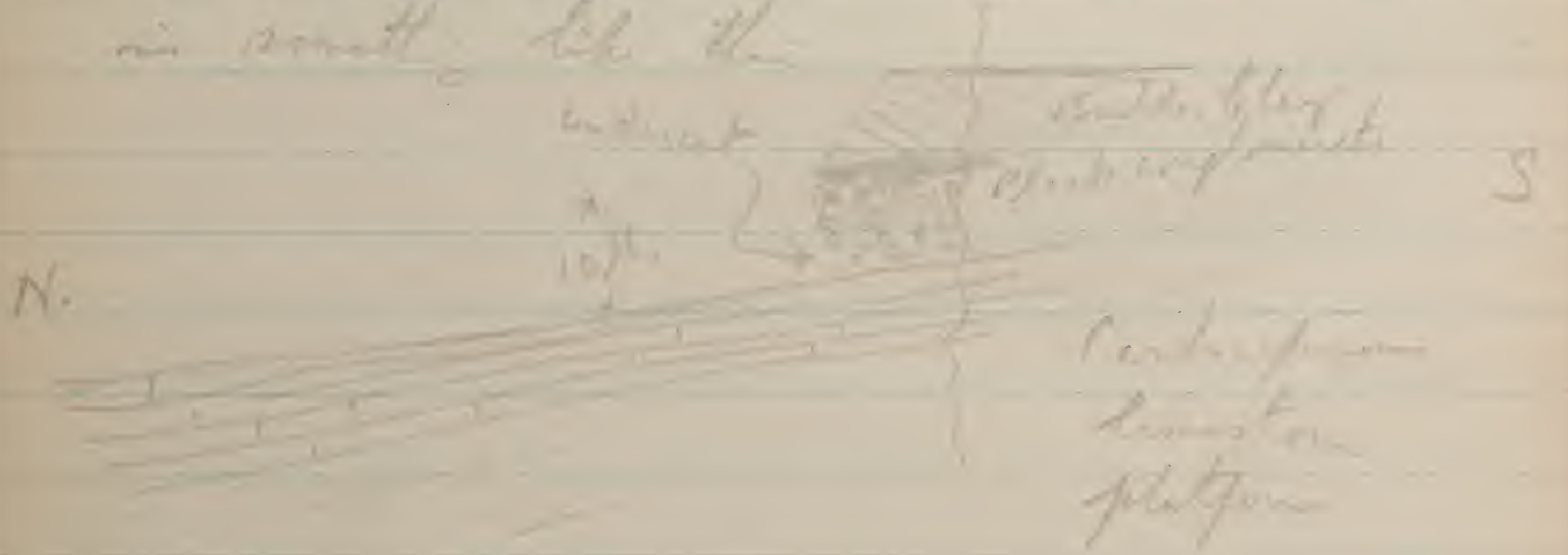
[illegible] the Ward, [illegible] Baxter & Ballygawley & [illegible] road to Coolaney; but did not [illegible] anything.

In afternoon [illegible] to [illegible] & [illegible] to [illegible] (of [illegible]) & walked back along cliffs to Tobernalt. Along the [illegible] of road there are several exposures [illegible] of the geological [illegible] section [illegible] a "flesh conglomerate" bed (6 to 10 feet thick?) resting on a smooth rock platform & is overlaid by boulder clay. I can

281.

26.12.40, cont. Dromore to Tobercurry, Co. Sligo, cont.

only revealed from my observation that the black conglomerate is in reality a pre- or interglacial breccia [illegible] resting on the so-called "preglacial" rock platform. At the E end of one of the outcrops the "conglomerate" has been torn up by the ice (?) & boulder clay intruded into the hollow of [illegible] in the upper surface remains almost smooth & horizontal. The lower section is smooth like the



282.

27.12.40, cont.

List of insects taken in Glenwood, Co. Sl., in afternoon, 10.30 – 12.30 a.m. — Named and others labelled 17.1.1942 AWS

Cratichneumon annulator ? ♀
Stilpnus gagates ? ♂
Cryptus sp. ♂
Hemiteles ♀, very pretty sp.
Phygadeuon ? 1 ♂ ♀
Lagarotis ? [illegible] ? ♀
Orthocentrus fulvipes ? 2 ♂♂
O. radialis ? 1 ♂
Leptocryptus [illegible] ? 1 ♂
[illegible] ? ♀
Bassus longipedalis 2 ♀♀

Exallonyx ♀.

Chalcid. Halticoptera ? ♂, with large green metallic [illegible].

Diptera =

25th

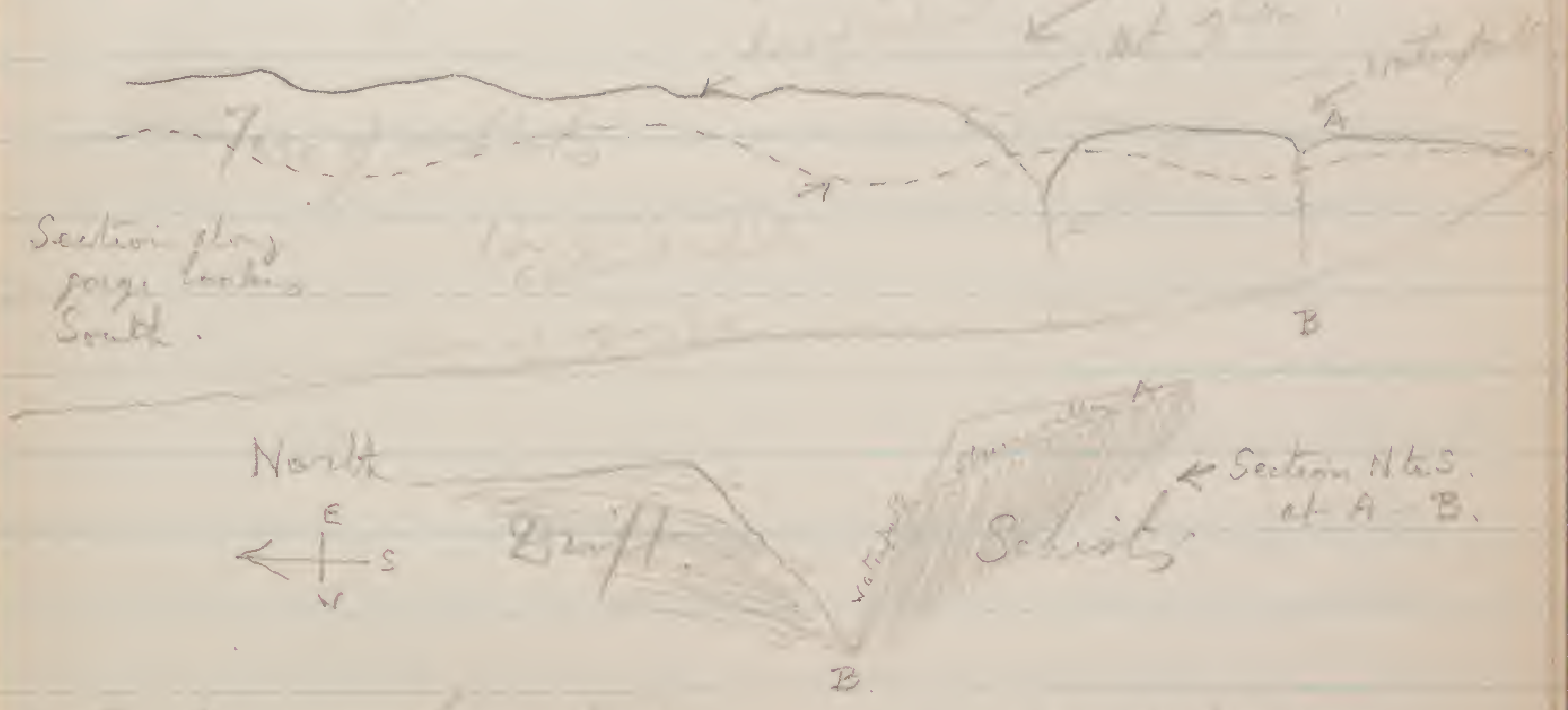
23rd Oct 1920. A day with strong & cold E–NE wind & entirely dull when we were out. In forenoon walked up past Chapel Street, a mile SWW of [illegible], towards "The Lochie Burn"; left road & ascended by [illegible] stream of Lochie Burn, then up steep slope S. of same & along ridge to E. & back by the turf road to Allt-an-Lochan & home to Carron gorge. SE of L. Burn there is a conspicuous cliff with large growth of ivy on it (I do not mean the top most cliff but one lower down — the lowest of the series at this spot") & at the extreme NW corner of the cliff there is a considerable quantity of Vaccinium Vitis-Idaea. The upper cliff behind this looks good & might repay working. The only other plants seen on that visit were Lycopodium Selago & Hymenophyllum peltatum.

On the way down we passed "Allt-an-Lochan" where a stream descending from the ancient ridge of pre-Cambrian schists has cut a deep gorge between the face of the schists & the moraine pushed up against it during

26

23.10.1920 contd.

[illegible] period of the Ice Age, thus



The face of the schists is covered with dense vegetation, in which from a distance Hazel seems to predominate. This gorge appeared well worth working, both for plants & insects, but I did not collect anything during the walk.

In afternoon walked along coast at Carron gorge, but did not collect.

In this district I think I see much evidence of an older & a newer drift, the former appears to be almost free of boulders & has a weathered appearance & occupies the higher ground, the latter much more boulder & forms a series of green mounds nearer the sea & on lower ground.

24th Oct 1940:
Left Enniscorthy at 10.30 a.m. & stopped for lunch near Glenealy, Wi., & left after 1 p.m., arr. Dublin 3.30 p.m.
Did not collect.

25/10/40.
14 Clareville Rd., Harold's Cross, Dublin:
Colony of Vespa vulgaris in front garden under Bryum (see entry on p. 154, 25.7.40, ante) much affected by bad weather while I was away & few flying. After continued bad weather, with heavy rain, all flight stopped within a week of this date.

END OF AUTUMN TRIP: C. SL.

November 1940.
Did no collecting all month, although twice in Glenasmole & out various afternoons for walks in various directions, e.g. Kilmashogue, Kilgobbin to Edmondstown & [illegible], Esker (near Lucan) &c. Weather mild, but raining most or many days of week; one or two nights slight frost; with an occasional fine day. Last week of month fine & dry. Petasites fragrans at Templeogue well out early in the month & also seen by Jobstown.

1st December 1940. A fine day, but depression approaching & not so good as 29th & 30th Nov. Drove to Glenmore (Devil's Glen), Co. W. to pay visit to Miss Smyth & after lunch walked up through wood (just taken over by the Forestry Dept. for replanting!) to summit of ridge looking over the Vartry plateau. On way up did a little sweeping & picked up one or two things:–
Vespa vulgaris, flock of ♀♀ seen, Stilpnus gagates 1♂, Stenomacrus [illegible] [illegible]
Pezomachus [illegible] 1♀, [illegible] 1♀, [illegible] 1♂.
Hazel ♂ and ♀ flowers out on several bushes on S.E. edge of wood at top of field above the garden, I think my earliest date, even for ♂ catkins. P.T.O.

1.12.1940, cont. Glenmore Wk, cont.
In the oak-wood above the castle & at the entrance to the Devil's Glen, on steep slope facing about NE. fresh green & [illegible] mass of the Vaccinium myrtillus, which was flowering & fruiting, & the very pretty one of the flowers, giving the wood the spring-time appearance of early April; the autumnal growth can only have been due to the rain of early October following the prolonged drought during the summer months when the S.E. & S of Ireland was a 'desert' or burnt up for want of rain. At the same time the N.W. (from Sligo northwards) had by no means a dry period, the rain came in July & continued in sufficient quantity except for two or three short dry spells in Sept. Six weeks later [illegible] collected 19.1.1941 specimens of [illegible]
Vaccinium [illegible] & Epilobium [illegible] [illegible] 2. =

4th Dec 1940 One Snowdrop in front garden under drawing room window, evidently out for several days but unnoticed. Actually the same plant flowered on 10th Dec. 1939.

16.8.40. Insect taken by A.W. [illegible] at Killoughter, The Murrough, Co. Wi. & given to me.

[illegible]

[illegible] [illegible] Mann. A beautiful ♂ with 30. seg. ant.

Macon [illegible]. ? ♂ & ♀ with pale leg; [illegible]

legs.

Left [illegible] of [illegible] [illegible] ♀♀, [illegible] [illegible] than the other

1941.

January. After a mild autumn & early winter, with scarcely a nightly frost & no really hard weather 1941 soon turned cold, with high barometer. Several days very hard frost encountered — 2nd week with temperature reported down to 10F. 22°, pipes frozen & all the usual disagreements. After this the barometer fell heavily, & snow came on Jan. 15th & then after a thaw more on 20th which lay heavily on the hills but only made slush in Dublin. This was followed by much rain, drizzle & gales from E, the 25th being the first attempt at a fine day — this mild & spring-like but dull, with rain again in evening.

26th Jan. 1941. First Snowdrop in back garden, although those in front garden under dining room bay window out on 4th Dec. & onwards. On this day had car out for first time since early Dec. as unwell before Xmas & rather in poor form after same & weather very bad. Also only allowed 3 gals. petrol per month. Drove to Fir House & walked up to gate of Orlagh College, beyond & above which all was snow & many drifts, whilst below this.

February 1941.

With the coming of the month the snow & frost of January gave way to better weather, with some beautiful spring-like days, & warm sun, so that a sudden burst of yellow Crocus appeared between 6th & 9th of the month (one first in front garden by path to gate on 6th) & on 10th at Westropp's were also two purple Crocus & a bunch of white almost out.

On 9th I saw Lesser Celandine just ready to open between Rathfarnham & the [illegible] Wells, while the Snowdon Sax. oppositifolia in front garden showed purple buds, though these were no further on on the 18th.

Gales, with heavy rain from ENE on 16th–17th so that railway between Greystones & Wicklow was interrupted for the second time since the New Year & trains unable to run at high water between Kingstown & Dublin.

19th Feb. 1941. A fine afternoon, with cold NW wind. Walked via Dartry to Orwell Bridge & home. Almond tree showing pink buds & Japanese Quince ready to open flowers but none out.

20th–23rd Feb. Very cold, frosty nights, turning to snowy rain on Sat. 22nd afternoon, which continued all night & morning, & ended in heavy snow which settled on the fells, followed by a very hard frost & on 23rd blue sky & sun all day. Walked via Kimmage & Wellington Ho. to Templeogue Bridge & Rathfarnham. Coltsfoot out at foot of wall on Tallaght road ([illegible] W of Templeogue Br.), Lesser Celandine out on roadside by Wellington Ho., Chionodoxa in front garden by [illegible] Rd. up & flowers showing blue, purple Crocus out in garden in Butterfield Lane, as well as Daisies & Dandelion. Sax. opp. in front garden no further on than on 9th. Leaf shoots of Carex stricta by coach-house wall pushing through dead leaves, though the tussock much flattened by cats.

28th Feb. 1941. Sax. opp. ([illegible] plant) with flowers open in back garden. White Crocus with 2 flowers open in front garden. Very stormy on 26th–28th of month!

2nd March 1941. A fine day with [illegible] showers & sun. In afternoon walked from tram at Firhouse to [illegible]

2 263

2 3 41 cont.

up on to Whitton Rd. & home via Whitton to [illegible]. Dandelion, Coltsfoot (on side of reservoir at Whitton) & Celandine (a few out from path of [illegible] Rd.) seen, but no other flowers.

In garden, [illegible] Rd., the first Chionodoxa flowers open [several others out on 3rd March!].

4th March 1941. First flower on Snowdon Sax. oppositifolia in front garden.

5th March 1941. A fine sunny morning after a white frost & then more or less sunny day, but showers in afternoon & cold, as all [illegible] again at night. In afternoon walked via Highfield Rd. & [illegible] to the [illegible], then up river-path to Orwell Bridge & home via [illegible]. Almond tree (2) in Highfield Rd. with a few flowers open, that in garden next to Villiers Rd. further on. Japanese Cherries also with some flowers in same place. By river, just below Orwell Bridge, both Coltsfoot & Common Butterbur (Petasites vulgaris) in flower.

8th March 1941 Flowers of both plants of Sax. oppositifolia in front garden first opening, though hard frost on previous night & rain all the day (& next!) from N.E.

264

11th March 1941 First flower on Primula [illegible] in front garden opened & first flower on [illegible].

12th March 1941 In afternoon went by bus to [illegible] & walked up to head of upper reservoir, via [illegible] side, & back other side to bus. Everything very backward & no willows anywhere near out.

13th & 14th Very raw sunny days with E wind, but 15th quite nice spring day. [illegible] in back garden coming on but not yet much in flower. Flowering Currant nearly out. First Daffodil in back garden just open & first Hyacinth under front of house out a few days.

16th March 1941 (Sunday) Like the 15th this was a perfect spring day & all sunny, but without the cold E wind of the day before. Honey Bees seen both in front & back garden — at Chionodoxa flowers in the former. Did not go out for a walk or see the country, but no doubt there were [illegible] out in suitable spots though not much in the way of flowers anywhere to encourage them.

17th Also a perfect day & G. F. [illegible] subsequently reported Chiffchaff heard at [illegible], [illegible], on 15th, 16th & 17th inst. R. C. [illegible] reported Brimstone [illegible] at Claremont, E.M., on same period, but nothing else.

19th March 1941. Forsythia spread at flower in garden of 5 Kenilworth Square & others seen a few days later.

23rd March 1941. Vespa vulgaris ♀ in [illegible] house trying to get out at noon, [illegible] after a [illegible] night & dull previous day.

Snails (nemoralis & aspersa) on [illegible] during rain on evening of 22nd seen for first time.

Salix cinerea ♀ in back garden with flowers open, but Flowering Currant not yet in flower. Leaves of Red & the Black Currants unfolding.

23rd cont.

A perfect afternoon, the [illegible] wind E & sunny with great drifts of snow still filling the channels in the peat-covering of Kippure. [illegible] took 7 o'clock (±) bus to Bohernabreena & walked up past the upper dam, then round the 3rd coomb & back again. Primroses, Golden Saxifrage, Caltha [illegible], few ♂ & ♀ Salix cinerea out. On way up saw dozens of ♂♂ & a few ♀♀ Andrena clarkella on the roadside, where the flood of Aug. 1931 swept away road & pipe-line below the lower dam, & on the [illegible] bank in 3rd coomb saw many ♂♂ of [illegible] species, some of apicata & one beautiful fresh ♀

23.3.41, contd. [illegible] out of the [illegible] all [illegible] very fresh. [illegible] of Nomada & the [illegible] [illegible] the [illegible] was only just out [illegible] [illegible]. Only one Bombus & that B. lucorum actually seen, on early ♂ willow near the bus stop, but [illegible] heard in the coomb.

CHIFF-CHAFF heard in coomb just after leaving the bus, again when Mr Doyle & between upper dam & 3rd coomb.

Having spotted a Tiger-Beetle with the A. clarkella by the roadside & I saw one middle aged "Staph" running on the bare banks in the coomb, but no butterflies or sawflies seen. Most willows still in winter condition & very little growth anywhere. Heather with only the tiniest green buds showing. Much damage done everywhere by sheep, which broke in during snow of Jan & Feb. & are still in & tearing all the banks to pieces in their search for food. Frogspawn in springs below lower dam not "yet hatched" but nearly so.

[[illegible] [illegible], [illegible] flowered about this date]
in garden, 14 Clareville Rd.

26th March 1941. A fine day, misty, then sunny, with [illegible] [illegible] in afternoon. [illegible] [illegible] [illegible] at 5.15 P.M. [illegible] wind N. & then S.E. [illegible] chilly fog later.
In afternoon walked a round of the [illegible] & home via Tyrone Castle & [illegible]. Saw Viola odorata in flower [illegible] of old castle, but not in other parts of wood & [illegible].

Flowering Currant in back garden showing [illegible] of its flowers.

George in letter received 28/3/41 reports willows in flower & lots of Bramble [illegible] in a pot near Portavogie, Co. Down.

27th–30th March 1941.
Wind east & very cold on 29th & 30th in spite of much hot sun.

31st March to 6th April 1941.
During the period there was continuing cold, with [illegible] night heavy rain on 31st March & through a storm on the [illegible] (snow on hills); with the rain on 31st came a severe gale which lasted all night of 31st–1st & did much damage to buds of trees & shrubs. In spite of this inclement weather early in the week & subsequent very keen & cold E. wind from 5th to 6th April, plants were coming on in shelter of garden & small [illegible]: on 5th, 6th & 7th brought out flowers on White Currant bushes in back garden, the flowering spikes on Carex striata against motor-house wall much of flowering spikes on 7th, though these not even visible on 5th.
On 6th walked from bus up Glenasmole to upper reservoir & back: very cold, but fine, clear, with some good sun bursts: view of Kippure (deep in snow) from upper dam very fine. [illegible] almost out in plantation below Mooreen. Many land slides after rain of 31st, but the great one that below lodge at lower dam, 200 yards, which came down W. side of glen & [illegible] almost filled my only [illegible] habitat in the glen: the hillside which slid over was the only habitat in the glen for Carex paludosa & was also a good place for other sedges, & other [illegible] e.g. [illegible] & [illegible]. First Red Saxifrage ready to open on 6th.

10th April 1941. First out Saxifrage flower in front garden opened in the mild [illegible], [illegible].

11th April 1941 (Good Friday). In afternoon walked from Rathfarnham to Marley Grange & round by St. Columba's College back to [illegible] Lane. Milder, with falling glass & [illegible] of rain in [illegible]. Leaves coming out on Chestnuts, Lilac & many shrubs. Blackthorn flower not yet out [& no sign of Willow Warbler, Swallow or Sand Martin].

In Garden, 14 Clareville Rd., fronds coming up i.e. [illegible] & Osmunda

12th April 1941. First ♂ catkins of Salix aurita in back garden turned yellow. Carex [illegible] flower-spikes up 6-7 inches. Quite mild & sun but [illegible]

16th April 1941. A fine sunny morning with fresh W. wind: showers in afternoon & heavy rain with [illegible] over Glenasmole at 4.30 – 5.30 P.M.

Took 2.10 bus to Bohernabreena & walked up to upper dam in Glenasmole in sunshine, then came a slight shower which [illegible], then more

delightful sunburst, but it [illegible] turned to cold. 5.15 bus & [illegible] formed & [illegible] looked to SW with steady rain [illegible], then [illegible], then more rain later in evening. In Glenasmole saw several Bombus lucorum ♀♀, 1 ♀ of Vespa vulgaris & what was probably a ♂ Andrena lapida. Over lower reservoir saw flock (nearly 100) of House Martins (many), Swallows (some) & I think some Sand Martins. Willow Wrens singing throughout the glen, except about [illegible]. Blackthorn out on bluff at bus stop at Bohernabreena.

Wood Sorrel & Anemone out on [illegible] Avenue.

In garden, 14 Clareville Rd., saw a Peacock Butterfly (in [illegible]) at 2 P.M. & after tea (6.30) saw a ♀ Bombus terrestris. Euphorbia [illegible] shoots in front garden coming up strongly & Lily of the Valley flower buds showing. Salix aurita in full flower & covered with Honey Bees.

Sawflies. On 11th April a ♀ Amauronematus [illegible] appeared in a sawfly pot from which all likely had been removed but certainly from Drumgoff, Co. W'l, in the "next" ANS
~~[illegible]~~
These could be any remaining [illegible], on 12th a ♂ emerged & on 13th 2 ♂♂, while on 15th 1 ♂ & 1 ♀ were found & on 16th a Tachinid fly. On 11th a ♀ Amauronematus viduatus ~~[illegible]~~ ✓ R.B. Benson 11.3.43 emerged in pot containing larvae from Drumgoff, Co. W'l, taken on Salix on 28/5/1939 & on 16th a Tachinid fly was found in this pot also. PTO

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Sawflies bred from larvae taken in 1940 or earlier

Tachinid fly. em. 21.4.41 } from larvae taken at
vidualum R.S.B. 11.2.43.
Ammonometa ~~[illegible]~~ 1♂ em. 23.4.41 } [illegible], W., [illegible] Salix, 28.8.1940.

23rd April 1941. Dull, cold, with strong drying E-NE wind. Went by 7.10 bus to Brockenhurst & returned by 5.15 bus, walked up Ober Water, &c., & spent an hour [illegible] lower & upper Lakes, did not attempt to collect. Brimstone [illegible] & [illegible] seen at flowers [illegible] on Salix(?) catkins.

B. pratorum ♀ seen on flowering Currant in the garden. B. lucorum several ♀♀ seen & one pollen load. Swallows & Sand Martins abundant. House Martins [illegible] flying over Lower Lake.

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23.4.41, cont. Garden, [illegible] Rd, [illegible]. Anemone flowers & 1st flower on [illegible] [illegible] open, Cherry started [illegible] full flower (and a few days?)

27th – 30th April 1941. Very cold weather & strong E–NE wind, but after a heavy snow-hail shower on forenoon of 28th. no further rain. In spite of cold dry & strong wind [illegible] [illegible] steadily & [illegible].

May opened similar, but instead of dull & cold days we had much sun, but E wind continued to dry up everything. Bad weather for the garden.

3rd May 1941. Between 7.30 & 8.0 AM saw a flight of Swifts very high up over Martin Lane opposite, but not seen later in day & evidently not our own birds. [illegible]

4th May 1941. Wind not so strong as during previous week, with a more hazy sky, though intense sun & no cloud. Having been unwell for some days did not attempt to go anywhere & spent part of morning in garden where saw — Bombus lucorum ♀ [illegible], B. hortorum ♀ on the pink flowering Currant flowers & [illegible], Andrena nigroaenea ♂ (Andrena jacobi [illegible] ♀), Halictus [illegible] ♀, Vespa sylvestris ♀ on currant flowers & V. vulgaris ♀ & V. germanica ♀

P.T.O. →

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4.5.41 cont.

In afternoon took 2 o'clock bus to Bohernabreena & walked up to Cotton dam, where spent a couple of hours sitting in sun at foot of big slope. Here saw Bombus lucorum, terrestris ♀♀, pratorum, & muscorum (very small) ♀♀. Psithyrus distinctus ♀. Andrena albicans & nigroaenea ♂♀. Nomada leucophthalma ♀ & N. sp? (probably fabriciana) ♂♂, Vespa rufa & V. vulgaris ♀♀; Salius fuscus 2 ♀♀. [Two sawflies] one Ichneumon, probably a Campoplegid. Peacock, Tortoiseshell, Orange-tip ♂♂ & P. napi butterflies. Diptera & other insects very plentiful in [illegible], but made no effort to collect. Heard Corncrake on way back to catch 5.30 bus & so home.

5th May 1941 Another day with no clouds, but sun & keen E wind. In garden (4 Clarinda Rd.) saw one Large White & several Small White Butterflies, one ♂ Ichneumon & the same bees as on 4th, except no B. lucorum.

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9th May 1941. A beautiful day with wind more to the E. & not so cold with no [illegible] [illegible]. Saw Swifts again over Harold's Cross church 11 A.M. but saw none. Birds do not seem yet to have arrived & none heard screaming so far. Whitethroats singing in Glenasmole in afternoon & not a Swallow or Martin seen over the Cotton reservoir where so many last month. In afternoon took 1.50 bus to Bohernabreena & walked up Glenasmole to upper dam. All sunny & too hot & too keen breeze for small parasitica.

Glenasmole, Co. Dublin. 2.30 – 5.0 P.M.

Did only a little sweeping on way up & [illegible] [illegible].

Bombus terrestris (2), lucorum, lapidarius (1) & pratorum ♀♀.
Psithyrus distinctus ♀ seen.
Andrena albicans ♂♂ & ♀♀ seen.
A. jacobi seen.
Nomada leucophthalma ♀♀ by roadside over "viaduct".
N. fabriciana 3 ♀♀ with last.
Salius fuscus seen.
Sawflies. Only one seen ? sp.
♂ Cryptid. Stenomacrus [illegible] 3 ♀♀.
Dacnusa areolaris ♂♂ & ♀♀, dark legged var.
Platygaster sp. All then swept.
Thorn Moth (?) [illegible] taken near upper filter bed.

Ceraphron [illegible] with very long [illegible], [illegible] antennae & [illegible] [illegible].

[illegible] [illegible] [illegible] 10 [illegible] 45 [illegible]

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10th May 1941.
Swifts swarming & plentiful on the day.

11th May 1941.
A heavy shower — quite local & thundery, what the southerners call a "Planet Shower," though why "planet" I don't know — in the afternoon, was a "local gain," did much good to gardens, as no rain had fallen for 14 days, during which hot sun & cold E. wind had dried up & retarded everything. On this day the wind was N.W. in Harold's Cross, though probably still E. along coast.

12th May 1941. Wind N-NW.
Everything much greener during night & Irish Spurge in front garden (old plant) in flower, though no sign of same on previous day. Ash tree in front of "flat-topped" house in Kenilworth Park with good show of leaves (an odd tree I think!). Saw a ♀ Andrena jacobi in front garden at White Roman Hyacinth flowers & with great load of white pollen. In evening walked round by "The Narrow Walk" to look for eggs at the old "Shot Tower" so-called, & home via Rathfarnham.

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14th May 1941. A fine cold day (N. wind) with but little sun till evening. In afternoon went by 2.10 bus to Bohernabreena & walked up Glenasmole to Moore's, where swept a little under trees between house & pebble bed & garden (=1). Very little out except Stenomacrus ventralis ♀♀. Much more in Glenasmole, where swept a few things under trees on W. side of lane near inn on my back to 5.15 bus (=2), as follows.

Phygadeuon 1♀ at 2
Stenomacrus ventralis ♀♀ abundant at 1, also at 2.
[illegible]? sp.? [illegible] 2♂♂ at 1
large, at 25 mg wt.
[illegible] nigrinum 1♂ at 1, by pin near pebble bed
25 mg wt.
E. (Symplecis) concolor 1♂, dark legs at 2
Diaparsis [illegible] ♂♂ & ♀♀, small dark legged form, at 1 & 2.
D. longiradialis ♂♂ at 1 [illegible]
D. aphanta 1♂ at 2, dark type.

Sawflies
Dolerus pratensis? 1♀ swept off Bishop's Weed under trees just beyond Moore's house, between path to upper dam & path to pebble bed, seems an odd place. An incidental place for this insect!!
Empria alector? 1♀ swept under trees near land ? on Meadow Sweet.

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19th May 1941. A beautiful day, bright & warm, & cool all but morning, after a complete wet Sunday — the first real rain for 3 weeks. On wet [illegible]!
Spent forenoon in garden but little seen till after 12 noon.
Saw 1♀ Vespa (germanica) sun-bathing, sound asleep with wings folded beneath abdomen, as in hibernation!
Andrena albicans & fucata ♀♀ running, & also
Halictus albipes? (either this or calceatus but I think this)
1♀ at flowers of white cabbage.
[No Bombus seen or heard & none seen in garden for several weeks]
Later
Homotropus pictus 1♂, first seen this year.
Hemiteles ♂ with huge anal forceps [illegible]
Phygadeuon ♀ 1♀.
Barichneumon albicinctus? 1♀, black hind tibiae, [illegible]
Cryptus [illegible] ♂, black & white hind tibiae [illegible]
Leptocryptus 1♂.

20th May 1941. Another beautiful day, with warm wind & little sun, & few clouds, wind N.
Spent an hour in morning in garden, 14 Glenville Rd, & took or saw the following:—

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20.5.41, A.M. and garden, 14 Glenville Rd, [illegible].
Andrena albicans & A. nigroaenea seen.
[No Bombus [illegible]] Vespa vulgaris & germanica [illegible]
Homotropus cinctus, 1 dark ♀. H. pictus [illegible] 1♂
Perilissus [illegible] 1♂ ; first [illegible] 2 off [illegible]
Mesochorus [illegible] 2♂♂, on [illegible].
Apanteles glomeratus ♀.
Sawfly: Tenthredo [illegible] 1♀. Pteromalus [illegible]

20.5.41. On the afternoon of [illegible] 1♀ [illegible] AWS 21.5.1941.

22nd May 1941. After a wet day & fair night, with falling barometer (after rising the previous evening), but soft & warm, with some drizzle early, the morning fine with some sun, but [illegible] of drizzle from 4 P.M. onwards. Went by 10.45 bus to Bohernabreena, with E. O'Mahony, & walked up Glenasmole & collected by sweeping till rain came on at 3.45 P.M.
1 = under trees from town down to "the rain trap" half way up W side of lower reservoir & mostly between the dam & hut.
14 from 1, 10 from 2 & 6 from 3 labelled [illegible] & some labelled previously [illegible]
2 = head of upper reservoir & along west side under trees.
3 = below upper dam & from that to "ford" & under trees on top bank between [illegible] & river, where much forget-me-not.

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22.5.41, cont. Glenasmole, Co. Dn. cont.

Bombus lucorum & agrorum ♀♀ also seen

Psithyrus distinctus ♀ & P. campestris 1 dark ♀.

Vespa vulgaris ♀♀ seen

[Aculeates not looked for!]

Dolerus palustris 1♂ at Horsetail at 2.

D. aeneus ♂♂ & ♀♀ at 1 & 2.

D. possilensis 3♀♀ at 1

D.

Loderus vestigialis typical ♂♂ frequent; 1 ♂ var.
with dark legs at 2

Empria pulverata 1♀ at 1.

Pachynematus obductus ♀♀ at 2.

Epitomum pygmaeum ♀♀ at 1 & 2. Hemiteles areator group ♀ at 1. Leptocryptus (? clavipes) at 1.
Cryptids ca 10 at 1, 6 at 3 not kept. Cryptid 2♂♂ at 2, also a same [illegible]
Pimpla flavicoxis ♂ at 2. P. detrita group ♂ at 1. Promethes pulchellus large ♀ at 1.
Homocidus dorsalis ♂ at 1. H. tarsatorius 1 dark ♂ at 1. Stenomacrus ventralis ♀♀ abundant at 1 & 3
Campoplegids 2♂♂ at 1; not kept. Campoplegid ♂, black, at 2 =
Plectiscus sp. ♂ at 1. Rhyssalus clavator 1♂ at 1. Earinus [illegible] ♂ at 2.
Euphorus 3 at 1 = E. [illegible] Thom.? 1♂ & 1♀, E. minutus ♀.
E. pallipes ♂ at 2, ♀ 2.8 mm. ext. E. pallipes ♂ at 3, with 2.4 mm ext.
Alysia dimidiventris 2♀♀ at 2. Opius exilator ♂ at 2 & 2♂♂ at 3, under trees with Forget-me-not.

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22.5.41, cont. Glenasmole, Dn. cont.

Phaenocarpa rufipes ♂ at 1. Aspilota (Synaldis) parvicornis ♂ & ♀ at 1, & ♂ at 2, & 2 others ♂ at 3

Aspilota nigricornis ♂ at 1, & another ♂ at 3. A. [illegible] ♂ at 2, ext. 1.3 mm.

C. inflata ♂ at 3, 2.0 mm ext.: is dark specimen with antennae & legs & petiole more brown.

Dacnusa [illegible] ♂♂ & ♀ at 1 & ♂ at 3: not kept.

D. maculipes ♂ at 1. D. areolaris ♀ at 2. D. [illegible] ♂ at 2.

D. sulcicornis ♂ at 2, with 2.7 mm ext. & very large mandibles.

Praon volucre ♂ at 1. Aphidius of black type ♂ at 1, not kept.

Psocids. 3 or 4 at 1 (only 2 kept!) =

Daddy-long-legs: at 1.

Beetle: Stenus at 2.

28/5/41. Five insects taken by C. O'Mahony
on the North Bull, Co. Dn., in saltmarsh:
Pogonomelia [illegible] ♂.
Bracon Cameroni ♂. 1♀, the latter
Idiasta maritima 1♀ in salt-pan
near where ♀ was taken in 1940 (May)
— a very small species.
Cryptid: with black [illegible] ♂ [illegible]
[illegible] =

28th May 1941. In garden at 7.30 P.M. a ♀ Bombus, (lucorum or terrestris? See below) seen investigating hole in brickwork in corner near motor-house & inside same for many minutes (1st ♀ seen 1941!); on 29th at same time a ♀ B. terrestris watched examining exactly the same place & behaving in a similar manner, altho' if the ♀ the ♀ was lucorum it may have been "terrestris".

23rd–27th May. Some rain every day & still cold, but improving towards end, [illegible] period still [illegible] glass.

29th May 1941. Hemiteles [illegible] group ♂ taken in house, Glenageary, Co. Dn. by C. O'Mahony =

1st June 1941. The second perfect summer day, with also sky grey, very hot sun & gentle breeze.
Many insects in garden all this day as 31st May & today. (Certainly in summer [illegible] Sunday).

Garden, Harold's Cross, Du.

(10 insects kept of these; labelled 26/1/42 AWS)

[No Bombus seen!]

Andrena albicans & nigroaenea & [illegible] ♀♀ on Halictus [illegible] ♀ on.

Vespa vulgaris, germanica & rufa ♀♀ seen.

Odynerus parietum 1♂ at 11 A.M. & 1♀ at 5.30 P.M.

Chrysis ignita 1♂ at 11 A.M. this is [illegible] 1st seen 1941.

[No sign of Crabro [illegible] so far this year]

Pteronidea ribesii, 2 examined.

[illegible] [illegible] ♀ on [illegible] [illegible].

Hemiteles ♂♀ of with large anal [illegible], [illegible].

Pimpla oculatoria 1♂. (Hemiteles bicolorinus ♀)

Homocidus pictus ♀, red coxae (Hygrobius? [illegible])

H. pectoratorius 2 small ♀ with red band [illegible] [illegible] in [illegible] : [illegible]

H. pallipes ♀ 1♂. H. cinctus 1♀, [illegible].

Bassus tricinctus ♀ examined. } not kept.
Perilissus [illegible] abundant }

1st June 1941, cont. Garden, Harold's Cross, Co. Du.

Bracon triangulatus, 1♂: not kept.
[illegible] [illegible], 1♀.

[illegible] day warm : not like [illegible]

2nd June 1941. Garden, Harold's Cross, Du.
Homocidus nigritarsus 1♂ : first seen 1941. (and another ♂ same place 9/6/41 at 5 P.M.)

2/6/41 Ophion ♀ taken at light, at Clontarf, Du., by E. O'Mahony.

4th June 1941. A most perfect day after slight shower at dawn & a dull morning, following two cold dull days with strong E. wind, wind N.E. but not strong. Rode on bike to Glenasmole.

Glenasmole, Co. Du. 12 noon till 6.15 P.M.

1 = under trees between hut & sun-trap on W. side of lower reservoir, nearly all just behind (N. of) sun-trap.

2 = swept off Salix, Birch, Alder &c. in Willow Glade opposite Moore's. (27 specimens from 1, 35 from 2, 31 from 3, 16 from 4 & 5 [illegible] from one or other kept & then labelled [illegible])

3 = under trees from ford to upper dam : at bank of river

4 = under trees N. of ford (left bank of river) to [illegible] swept by river near bank, but too windy here & nearly all taken under trees near ford.

4.6.41 cont. Glenasmole, Co. Dublin cont.

Bombus agrorum, lucorum, hortorum (2), muscorum (1)

Psithyrus barbutellus 1♀ at 1.

Vespa [illegible] 1♀ at 2.

Apidae [illegible] 21 ♀♀ –
[illegible] 44 & 42
Sphecidae [illegible] 5

Nomada sp. ♂♂ at 2. (probably flavoguttata)

Halictus ♀ at Ranunculus bulbosus flower at 1 & ? tumulorum

Salius fuscus ♀ at 1 in long grass.

Bethylus (probably cephalotes) large ♀ at 2.

Tenthredella temula ♀ at 1 in hay field.

[illegible] lanceus? 1♀ at 1

Monophadnus pallescens 1♀ at 1, 1 at 2 & another 1 at 3.

Hoplocampa pectoralis ♀ at 1.

Pteronidea dispar? 1♂ at 1.

Rhogogaster aucupariae ♂♂ at 1, probably at Galium aparine.

Pontania ? spp. ♂♂ & ♀♀ at 2 on Salix.

= Phaenusa? at 2, 1♂. Empria immersa ♀ at 2.

Cœnura spp. (? 2 spp.) ♂♂ with pale & ♂♂ with dark antennae, & ♀♀ to go with both? =

=

Cratichneumon ♂♂ at 2 & 4. Phaeogenes? ♀ at 3, with black Atractodes ♂♂ & ♀ at 1. Leptocryptus ♂♂ at 2.

Hemiteles small ♀ at 3. Hemiteles [illegible] ♂ at 2. Microcryptus micropterus? ♀♀ at 3.

Phaeogenes? ♀ at 3. Cryptus ♂♂ at 3, 2 ♂♂ at 4.

Pimpla clavicornis? 1♂ at 2. P. cf turionellae, small ♂ ♂ at 1.

P. cf turionellae? ♂ at 2. ♂ of turionellae? [illegible], large ♂♂ at 4.

4.6.41 cont. Glenasmole, Co. Dublin cont.

Pimpla examinator ♂ at 2. Ephialtes "tuberculatus" ♂ at 3, ♀ at 4.

Bassus laetatorius ♂ at 1, others at 3 & 4. B. pulchellus ♂♂ ♀ at 1, ♀ at 2,

B. cognatus ♂ at 1, others at 3 & 4.

Homocidus elegans? ♂♂ frequent at 1,

H. pallipes 1♀ at 1, H. [illegible] ♂ ♂ at 3.

Stenomacrus ventralis very common at 1, 2, 3 & 4, ♀♀ only.

St. [illegible] 1♀ with [illegible] at 1.

Mesoleius at 1,

Campoplegidae 1♀ at 2, ♂ at 3.

Sagaritis sp. ♂ at 3. Plectiscus ♂ & ♀ at 3.

Lygocerus? 1♀ at 2.

Ophion ♂ at 2 (?)

Bracon sp. 1♂, 1♀ at 2: [illegible]

Apanteles lateralis? 1♂ at 1; A. vitripennis? 1♀ at 2, & 1 other sp.

Rhogas circumscriptus? 1♂ at 3. Earinus ochropus? 1♀ at 3

Euphorus {pallipes ♂♂ – [illegible]; fasciatus ♂ [illegible]} both at 1, E. fasciatus? 3♀♀ at 2

Blacus ruficornis 1♀ at 2. B. [illegible] 1♀ at 4.

Eubadizon extensor 1♀ at 2; date seems early?

Opius caelatus 1♂ at 3; 1♂, 2♀♀ at 4

O. communis 1♂ at 1. Op. irregularis ♂ at 2, & another ♂ at 3

[illegible]! A.W.S. 20.12.1942. [illegible] Ireland. [illegible] 30.7.1941.

O. sp.? – [illegible] 1♀ at 4: [illegible] irregularis, [illegible]

4. 6 [illegible] [illegible], [illegible] [illegible].

Adelura flaviventris 1♀ at 3. [illegible] rufipes [illegible]

Aspilota 8 ♀ at 1 = 1♂, cf. petiolaris, ant. 23. 1♀ cf. [illegible], ant. 14. 1♂ rufipes, ant. 18. 2 ♂♂ cf. semirugosa, ant. 19 & 14. [illegible] [illegible] near [illegible], but [illegible] [illegible], ant. 19. [illegible]
2♂♂, nigricorne, ant. 19 & 21, small. "Synaldis" [illegible] 1♀, ant. 15

Aspilota 3 at 2 = 1♂ nigricorne, ant. 21, small. 2 ♂♂ large, [illegible], ant. 24 & 25.

Aspilota 6 or 8 at 3 = {1♂, sp.? near [illegible], but head [illegible], ant. 27
1♂, 1♀, cf. [illegible], ant. 22 & 20. {1♂. sp.? near that, but ant. 24. 1♀ sp.? [illegible], ant. 22
3♂♂, rufipes?, 18, 19 & 19 + ant. Synaldis [illegible] ♂, ant. 32.

Aspilota 5 or 6 at 4 = rufipes large, 2 ♂♂ (ant. 19, 20) (cf. semirugosa); also 1 very small ♂, ant. 12
nigricorne 2 ♂♂, ant. 20 & 21. 1 small ♂, cf. [illegible] ??, ant. 20.

Orthostigma cf. [illegible] 2 ♂♂, + 1♀ at 3, with 23-24 & 22 [illegible] ant.
1♂ & 1♀ [illegible], [illegible] [illegible]
O. ~~[illegible] 1♀~~ at 4, ant. 20

Alysia lucicola 1♀ at 3.

Dacnusa "[illegible]" at 1, ? ♂♂ at 3, ? ♂♂ at 4.

D. [illegible] 1♂ at 3, 1♀ at 4. D. [illegible] at 1, 1♂ at 2.

D. melanocera ♀ {2 ♂♂ at 1 / 1♂ at 3 - cf. [illegible] / 1♂, 1♀ at 4} D. [illegible] 1♂ & 2 ♀♀ at 4.

D. [illegible] 1♀ at 3. D. [illegible] [illegible] at 3 =

D. sp. 5 or 6 at 4 = [illegible]? 2 ♂♂, small, pale legs, [illegible], ant. 39 & 41, same as 2 ♂♂ at 1, see below
& melanocera ♂ & ♀, see above.

D. [illegible] ?? 2 ♂♂, with prominent [illegible] on petiole, 40 + ? & 41 - very ant. at 1.

Praon sp. 1♀ at 1. Aphidius [illegible] [illegible]

Rocks at 1, 2, 3 & 4: kept 6 from 2 & 3 from 3 only.

=

6th June 1941. Garden, [illegible] [illegible], [illegible].

In the evening during some [illegible] [illegible] a swarm of [illegible] [illegible] [illegible] [illegible] [illegible].

Still no sign of [illegible].

7/6/41. Ophion ♀ taken in house at Clonskeagh, Dublin, by M. S. D. [illegible].

8th June 1941. After a rain mist in forenoon & early morning, an almost perfect day, with very hot sun, no clouds & a gentle SE-E breeze, with glass falling all day & after [illegible], rain at night & on 9th & 10th [illegible].

Started by 11.5 bus to Portrane, with Richard [illegible] [illegible] & G. Kennedy, & Peter [illegible], who were going to see Tree Sparrows, of which eight pairs were reported nesting in old castle (Stella's Tower) at Portrane, & we accompanied them to the castle & saw quite a few Tree Sparrows, with a few House Sparrows. The former clearly spotted by their pale heads & white collar at 30 yards, without glasses.

We then walked along outer dunes to the point of the Burrows just opposite Rogerstown Pier, which I swept as I went, along most-sheltered bits (=1); after

8.6.41, cont. Portrane Burrow, Co. Dub., cont.
lunch I spent 3/4 hour in salt-marsh looking for Idiasta maritima, but poor and flooded & unlike area I have seen; saw little & of Bracon erucator take none only; then swept around point, bit to W. & exposed E. side of same & along S. shore of Rogerstown Creek for 1/4 mile (=2); after afternoon tea continued with along shore of estuary & so back to Portrane, sweeping shore, edge of fields, & principally old gravel pit, dug out in grass past for ballast to pier; then road more W. along S. shore of creek (= 3) [31 specimens from 1, 26 from 2 & 18 from 3 kept & then labelled 8/6/41 AWS]

Bombus lucorum, agrorum (?), muscorum, derhamellus & lapidarius ♀♀ seen, but all rare.
Andrena bicolor ♂ seen at 3.
Halictus rubicundus & ♀♀ at 3.
Nomada goodeniana, marshamella, & bifida seen at 3
Sphecodes 1♀ at 3.
Odynerus trimarginatus 1♂ at 3.

Selandria stramineipes 1♀ at 1 & 3.
Athalia cordata at ♀ at 2 & ♂ at 3.
Ichneumon suspiciosus? ♀ at 3. [illegible] ♀ at 3.

8.6.41, cont. Portrane Burrow, Co. Dublin, cont.
Bassus {albosignatus / sp. ?} 2♂♂ at 1. Atractodes sp. at 2.
Hemiteles 1 at 3. Cryptinae at 1 & 2 & 3 =

Glypta pedicellata? 1♀ at 1. Pimpla brassicariae ♂ at 3.
Exochus albicinctus? 2♂♂ at 1. Homocidus tarsatorius 1♂ at 1, ♂ at 3.
Ophion at 1 & 3. Campoplex ♀ at 3. Mesoleius at all 3.
Mesochorus at ♂♂ & 2. Paniscus fuscicornis {2♂♂ 1♀ at 1 (♂ bred, [illegible])}
Bethylidae? small sp. at 1, 2 & 3. (sp. of Thrinax minuta? from 1 kept — see 11.6.41, p. 290 →)

Bracon variator Nees. abundant, ♂♂ & ♀♀ at 1, also at 2 & 3.
B. sp. 1♀ at 1. B. sp. damaged ♀ at 2. B. ? variator ♀ at 2
B. spp. at 3 & {B. sp. near variator but legs pale-marked & body darker, ♀, ant. 30, ♂ ant. 33. / B. commune?, 1♀, ant. 25. [illegible] ♂, smaller, ant. 24.}
Rhogas sp. 1♀ at 1 (ant. 38). Orgilus obscurator ♂ & ♀ at 2.
Apanteles sp. pallipes 1♂, 3♀♀ at 1. A. sp. zygaenae? ♂ at 1.
A. zygaenae ♀ & ? ♂ at 2. A. sp. [illegible] ♂ at 2. Meteorus cinctellus ♀ at 2
A. triangulator ♀ at 3. Sigalphus caudatus ♂ & ♀ at 3.
Euphorus (sp. accinctus Hal. & obscuripes Th.) {1♀ at 1. E. pallipes ♂ at 1. E. pallipes 1♂ at 2.
E. pallipes common at 3. Perilitus {rutilus ♂ at 3 / sp. ♂ at 3, ant. 23. / sp. ♀ at 3, ant. 20.}
Opius lugens? ♂ 1 at 2 (mouth closed, ant. 22). O. communis? 1♀ at 3, with dark legs & small stemmata, ant. 25.
Alloea contracta 1♀ at 2; 1♀ at 3
Aspilota concinna: 1 large ♂, with large, expanded head at 2 (ant. 23), 1♀ at 3, smaller (ant. 16).
Dacnusa miella 1♀ at 1. D. areolaris ? at 2 & 3. [illegible]
D. discolor ♀ at 3. D. talaris ♀ at 3, small, ant. 31.

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8.6.41, cont. Portrane Burrow, Db., cont.

Calosoma viridans 1♂ at 2. Aphrodes sp. 1♂ at 3.

Proctos. 2 at 1, 10 & at 2; 8 at 3.

Mymarid at 1 Ceraphron [illegible] at 2.

Chalcids [illegible] at 3.

Proctos. 1 at 1, 1 at 2 & 3 at 3:—

9th June 1941. A few Halictus and appearing on Crataegus (Cerceris) garden, Blackrock. See p. 164, 3.5.41. See 3.6.41 for record of Halictus by E.O'M.

Hemiptera:—

Amongst some beetles collected 2 were recognised as Bledius unicornis by E.O'M. & new to Ireland: taken amongst Atriplex portulacoides at roots with Polydrusus chrysomela.

11th June 1941. Returned to Portrane Burrow with J. N. Halbert & E. O'Mahony by 1.30 P.M. bus to get more specimens of Bledius unicornis in salt-marsh at N. end of the burrow (exactly opposite Rogerstown pier). A very high tide was just receding & the ground too wet for a couple of hours, but after we having beat over many of the Bledius (about 20) were taken on open flats between the clumps of Atriplex, whereas on 8th inst. were taken beneath the clumps with the Polydrusus. Many other beetles were also taken in same place, including:—

See my note in E.M.M. for

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11.6.41, cont. Portrane Burrow, Db. cont.

On way to salt-marsh from bus I did a little sweeping & around the point of the sandhills (i.e. E. of salt-marsh) I swept before & after tea, all told, for about an hour, but did not collect W. of salt-marsh.

1 = on way from bus to point & at point before tea.

2 = around point after tea.

Those from 1, of which 30 kept, simply labelled "Portrane 11.6.41", but those from 2, 17 kept, labelled (2) 11.6.41. [illegible] 8.2.1942.

At both 1 & 2 clumps of Ononis were frequently swept, but no species reported could be said to have been confined to this plant.

Sawfly = Pachyprotasis ♂ at 1.

Phygadeuon ♀ in salt marsh at 2. Cryptopimpla errabunda ♀ at 1.

Mesoleius ♂ at 2. Lemithes cognatus ♂ at 1 {with hind trochanters & coxae all black & all femora tinged with black basally at base.

Homocidus bizonarius 2♂♂, 1♀ at 1, 1♀ at 2. Mesochorus nigriceps ♀ at 1.

Phaeogenes minutus, Bdg. 2♂♂ (at 16 [illegible]) & 2♀♀ (at [illegible]) at 1.

Bracon [illegible] 2♂♂ at 1. Bracon sp. near [illegible] & [illegible]? 1♀ at 1 (same as taken here on 8.6.41, 1 on p. 188 [illegible])

B. anthracinus 1♂ at 1 (not kept). Rhogas [illegible] ♂ at 2, [illegible].

Opius pygmaeus?? 2♀♀ at 1. O. pallipes ♀ at 2. O. [illegible] ♂ & ♀ [illegible] at 2

Alysia [illegible] ♀ at 2.

Euphorus [illegible] ? (= [illegible]) 3 (♂♂) at 1 & 2.

11.6.41, contd. Portrane burrow, Dub., contd.

[illegible] [illegible] 2 [illegible], one at 1, the other at 2.

G. ([illegible]) [illegible] [illegible] ♀ at 1, [illegible]

Andrena ~~similla~~ ~~Sm.~~ innana Nixon ~~Lill. Rueh.~~: 2♂♂, 2♀♀, swept amongst Lotus, <This name trans. to the N. Bull species' AWS. 1949.
[illegible], at 1 just south of point, [illegible]. At first thought to be [illegible] the ♀ similla taken on 8.6.41, but petiole almost black & [illegible] [illegible] wings very short, antennae 21 & 22 [illegible] in ♀♀, 23 & 24 & [illegible] [illegible] also [illegible] [illegible] at 1.

[illegible] [illegible] ♂, [illegible] at 1.

[illegible] [illegible] [illegible] at 1.

[illegible] [illegible] [illegible] at 1.

[illegible] ♀, not taken

All ± [illegible] by [illegible], [illegible] AWS. [illegible]

[illegible]: 1 at 1, 3 at 2.

Halictus 2 [illegible] at 1, [illegible] [illegible]

[illegible] 2 at 2, [illegible]

12.6.41. For insects taken on the 12th at North Bull, see foot of p. 305

12th June 1941. Garden, Harold's Cross, Dub.
Bombus [illegible] & B. [illegible] seen in garden for first time this year — a very late date! Must have been during week though wind still cold.

Blessington (Co. W.)

15th June 1941. A fine day, after a stormy day & night (but without rain), wild N.W. wind in morning with rapidly rising glass, wind falling in afternoon, with very hot sun & [illegible] [illegible].

Went by 8.45 bus to Blessington intending to go to Glending but wind so strong, went instead to "steep bank" overlooking old Blessington bridge (now submerged in new reservoir: Poulaphouca [illegible]). There collected till 3.45 P.M. & returned by 4 P.M. bus. Insects were not bad, too low amongst that vegetation to be swept but yet results good, & scarce in afternoon contrary to expectation.

41 from 1, 46 from 2, 5 from 3 + [illegible] extra specimens kept & then labelled 11/6/41 [illegible]. AWS.

1 = first part of bank, with springs, [illegible] trees, between road to Ballyward & new bridge & the old road to old bridge. 10 a.m. till 1.15 P.M.
2 = next field, almost entirely filled by springs & [illegible] (then collected on)
3 = corner of field N. of road, opposite station 2 & around wall & springs.

Bombus lapidarius 1♀ seen: all seen all day.
Psithyrus campestris 1♀ [illegible] at 2.
Andrena nigroaenea ♂ & ♀ at hawthorn [illegible] seen.
Halictus rubicundus ♀ at hawthorn seen.

[Aculeates not looked for.

15.6.41, cont. Blessington, Co. Wi., cont.

Dolerus bimaculatus ♂ + ♀ at 2.

D. germanicus ♂♂ + ♀♀, common, at 2.

D. puncticollis 1 ♀ at 2.

D. picipes ♀♀ at 1 + 2.

Tenthredella [illegible] fairly common, both
black + red + coffee-coloured ♀♀ seen, none taken

Tenthredo mesomela, livida + sulphuripes? ♂♂ + ♀♀

Empria [illegible] 2 ♂♂.

Athalia cordata ♀.

Tom. luteiventris ♀♀ Ametastegia equiseti 1 ♂

Dryinidae. Anteon spp. 1 ♂ at 2, 1 ♂ at 3

[illegible] notatorius? 1 ♀ at 3, with propodeum, [illegible], reddish.

Cryptinae: 1 left. 1 ♀ at 1, [illegible], [illegible], [illegible], 22 seg. [illegible], [illegible]

Hemiteles [illegible] [illegible] 1 ♀ at 1.

H.? [illegible], [illegible], dark wings, [illegible], 18 seg. ant., [illegible]
+ also a ♂ (?) same species, 21 seg., all black ant., at 1.

♂, [illegible], 21 seg. ant. at 2. Adelognathus dorsalis ♀ 12 seg. ant.

Pimpla flavicoxis ♀. Lissonota [illegible] 1 ♀ at 1.

Mesoleius [illegible] 1 ♂ at 1, 1 ♂ at 3(?). Homocidus [illegible] ♀ at 1.

Hom. longiventris? 1 ♀ at 1. Polyblastus? pastoralis ♂ at 1.

Stenomacrus intermedius ♀ at 2. St. intermedius ? ♂, with 25 seg. ant., at 1.
with 24 seg. ant.

15.6.41, cont. Blessington, Co. Wi., cont.

Mesoleptus [illegible] ? ♂ [illegible] of [illegible], [illegible] at 2.

Rhadinocera [illegible] ? ♂ at 1. [illegible]

Mesochorus [illegible] ♂ at 1. Porizontinae genus? 2 ♀♀ at 1, ♂ at 2.

Bracon sp. [illegible] 1 ♂ at 2, 22 seg. ant., [illegible] wings, ♂

B. fuscicoxis ♀ at 2. B. sp. [illegible], [illegible] 20-seg. [illegible] at 1.

Sarophanes minutus? 1 ♀ at 1.

Coelinius [illegible] 1 ♀ at 2. a large black robust species with long hair
on occiput, as in [illegible], but much wider head, [illegible] +
propodeum + [illegible] 1/3 length of abdomen, antennae black, 34-segmented,
[illegible] long [illegible], cf. A.W.S. 14/7/1942.

Rhogas irregularis ♂. R. nigriceps ♂ at 2.

Microgaster globatus? ♂ at 2. Earinus ochropus ? ♀, at 2.

Euphorus sp. [illegible] ♂ at 2, ♀ at 1.

Meteorus [illegible] ? 1 ♀, ant. 32-seg. at 1. M. cf. [illegible] ? 1 ♀, 26-seg ant. at 1

M. [illegible] ? 1 ♀, ant. 23-seg at 1. M. fragilis ? ♂ at 1, ♀ at 2, ant. 26 25+23

Opius [illegible] (= [illegible]) ♂ + ♀ at 3, 1 ♂ at 2

O. [illegible] ? 1 ♂ at 2 + 1 ♂ at 1, with [illegible] + dark hind [illegible], +

O. platynotum [illegible] ? 1 ♂ at 1 O. pendulus ? 3 ♂♂, 2 ♀♀ at 2

O. pendulus 2 ♂♂ + 2 ♀♀ at 3; ♂♂ of this + pendulus very [illegible] [illegible]

O. celsus ♂ + ♀ at 1. O. victus ♂, at 1

Biosteres impressus ♂ at 2.

15. 6. 41, cont. Blessington, C. Wi. cont.

Alysia tipulae 1 ♀ at 1.

[illegible] 1 ♀ at 1.

Phaenocarpa [illegible] ♂ at 1.

Aspilota [illegible]? 1 ♂, 23 seg. ant. at 1. A. concinna Hal. 1 ♀ at 2, very large, with 21-seg. ant.

A. ruficeps? 1 small ♂, with broken antennae, rather dark, & rather densely [illegible].

A. [illegible] sp. n. ♀, Type! A.W.S. 15/6/41. Head very short & very wide [illegible] behind the eyes, no dimple; antennae thick, long & slender, with basal segment 1 & 4-5 only [illegible] antennae & 3, 4 & 5 very elongate. Don't agree with any of the [illegible]-described species. Ant. 17-segmented.

A. sp.? 1 ♂, possibly the ♂ of last, but antennae 18-seg. not pale at base, at 2.

A. [illegible] 1 ♀ at 1, ♂ & ♀ at 2. A. vulgaris 1 ♀ at 1.

A. longicollis ♂ (ant. 23-seg.) & ♀ (ant. 19-seg.) at 2.

A. [illegible] ♀ (ant. 17-seg.) at 2. A. [illegible] 1 ♀ (ant. 16) at 1.

A. (Synaldis) concolor or [illegible]? 1 ♂ at 1, ant. 22 seg.

Dacnusa [illegible]? 1 very large black ♀ at 1, with 42-seg. ant.

D. [illegible] 1 very black ♀ at 2. D. [illegible] 1 ♀ at 2, with almost [illegible]

D. semirugosa 1 fine ♀ at 1. D. [illegible] 1 ♂ at 1 & another at 2.

D. abdominalis [illegible] ♂ & ♀ at 2: type from same locality, on 19.6.1938.

D. [illegible] 1 ♀ at 2. D. sp.? near [illegible] 3 ♂♂ at 1, with 30 & 31 seg. ant.

[illegible] & of Stig? 1 ♀ with antennae broken at 32-seg., at 1.

C. [illegible]? Two very large ♂♂ at 2, with 50 & 52 seg. ant.

Pooters 5 only left. 1 from 1, 3 from 2 & 1 from 3

5-15 June 1941. Garden, [illegible] Rd., [illegible], Dub.

Rosa [illegible] opened first flower on 14th & on 15th first flower on [illegible].

On 15th & 16th [illegible] of [illegible] on the first last remaining flowers of Erica mediterranea: the reason was the first for many years that I have not seen a green [illegible] at the heath during the spring, but it seems that I had probably missed it this year.

Homalium [illegible], [illegible] taken on 16th

[illegible] ♂

[illegible] ♂

[illegible] ♂ All on 19th.

[illegible] ♂

Chalcid

Sawfly:— Hoplocampa [illegible] ♀

12.6.41. Taken at [illegible] Park, Co. Cavan by R.C. Faris

Amitus 2 ♀♀ Aphelopus ♂.

Agriopus ♀.

Bracon [illegible] ♂, ant. 16-seg.

[illegible] small ♂, ant. 33 segmented.

[illegible]

Opius [illegible] [illegible] ♂, ant. 42

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18th Jun 1941. Cold, also afternoon, after a wet forenoon (7 AM till 12 noon a drizzling, continuous rain in Glasnevin apparently, but fine drift rain had not every place & then in [illegible] in drying, the E wind seen up about 7 AM & [illegible] day). Rode on bicycle to Glasnevin, arriving about 2.30 & stayed till 7 PM, but sweeping difficult owing to [illegible].

Glasnevin, to Zoo.

1 = [illegible] of upper [illegible] & [illegible] [illegible] road, on E side 100 yards N of the R. Tolka entrance, only a few insects.

2 = whole of upper reservoir near boat house (N.W. corner) under trees at W. end of upper dam, & under trees near gate & [illegible] on my drive from upper side of house. 5.30 – 6

3. = under trees behind [illegible] & near hut on W side of lower reservoir. 6 till 7 PM. [4 from 1, 30 from 2 + 11 from 3 [illegible], these labelled 26.10.43 [illegible]]

[illegible] of [illegible] (= [illegible]) 2 [illegible] at 2 ([illegible] 26.10.43!).

Bombus lucorum ♀♀ frequent at Rhododendron flowers.

B. agrorum & B. lapidarius (?) ♀♀ seen

Vespa norvegica & V. sylvestris ♀♀ seen at flowers of Rhododendron at [illegible].

[illegible] ♀♀ } caught off Salix on shore
[illegible] ♀ } of reservoir at 2.

Athalia [illegible] 1♂ at 3

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18th Jun 1941, cont. [illegible]
[illegible] (= [illegible]) ♀ at 3.

Epitome [illegible] 1♀ at 3: not [illegible].

Chrysotoxum [illegible] 1♂ at 3: not [illegible]

Eristalis [illegible] at 1; 1♀ at 2 [illegible]

Leptomorphus [illegible] 2♂♂, 1♀ at 3: not [illegible]

[illegible] 2♂♂: [illegible] at 1 = [illegible] at 2 [illegible]

[illegible] ♀ at 3 =

[illegible] (♀, 18/[illegible]): not [illegible]

Pimpla [illegible] 1♀ at 2: [illegible]. Rhyssa persuasoria ♀ at [illegible]

Glypta [illegible] ♀ at 1: not [illegible].

[illegible] 1♂; [illegible] seen; not [illegible].

[illegible] (at 2): not [illegible]

Orthocentrus of [illegible] 1♂, pale yellow legs, at 3.

[illegible] 2 & 3 } not [illegible].
[illegible] 3♂♂. }

18.6.41, cont. Glasnevin, Co. Dn. cont.

Bracon [illegible] 1♀ at 3. B. [illegible] 2♂♂ at 2, not left

Apanteles [illegible] 1♂ ; [illegible] : at 2

Ecphylus [illegible] 1♀ at 3.

Blacus [illegible] 2 1♂, not left at 2

[illegible] 1♂ at 1, [illegible]

[illegible] ♀ 1♂ at 1 [illegible]

Opius "apiculatus" 1♀ at 2, 1♂ at 3 : not left.

O. [illegible] 1 at 1, not left [illegible]

O. pendulus ♀ at 1, not 18 vy.

Phaenocarpa ruficeps 1♂ at 2 : not left.

Ph. conspurcator 1 vy small ♀ at 2. [illegible]

O. [illegible] ♂ at [illegible]

Aspilota spp. : 19 specimens from 2 & 3.

A. [illegible] 1♂ at 2, 2♂♂ 1♀ at 3. A. [illegible] 1 ♀ at 2, [illegible]

A. [illegible] ♂, at 2, [illegible] 22. A. [illegible] ♀ at 2, [illegible] 19.

A. [illegible] ♀ at 2, [illegible] 19.

A. [illegible] small ♂ at 2, [illegible] A. [illegible] small ♂ & ♀ at 2

A. [illegible] 3 small ♂♂ at 2 & 3 large at 2, [illegible] 17, 18 & 19; [illegible]

A. [illegible] Aspilota [illegible] but [illegible] antennae : a large ♂, [illegible] 22 [illegible] & [illegible] ♀ ([illegible]), [illegible] 20, both at 2

18.6.41, cont. Glasnevin, Co. Dn., cont.

Dacnusa areolaris, longiradialis, [illegible], [illegible]

[illegible] but not left.

D. [illegible] 2♂♂ at 2 : first seen 1941 [illegible] 21.

D. [illegible] D. [illegible]

D. [illegible] 1 beautiful ♀ at 2, [illegible] 22.

D. [illegible] ♂ [illegible] 27.

D. [illegible] 2 ♀♀ [illegible] at 2 =

D. [illegible] ♂, at 2, [illegible] =

D. [illegible] ♂ at 2, at 23, [illegible] =

Ephedrus [illegible] 1♂ at 2 : not left.

but no other Aphidiid seen.

Proctotrupid [illegible] none left.

20th & 21st June 1941. Garden, 14 Clareville Rd., D.U.

[illegible] on Rosa canina. 20/6/41

[illegible] ♀, [illegible]

[illegible] ♂ & ♀.

Homo[illegible] ♀ [illegible] flowers 21/6/41

H. [illegible] ♀ [illegible]

Sagaritis [illegible] 2♂♂. [illegible]

Chelonus 1 small [illegible]

22nd June 1941. A fine day, very hot sun during middle of day, but [illegible] [illegible], with breeze [illegible]. Before starting in morning heard on wireless that Germany had attacked Russia! Rode on cycle to Athdown, upper Liffey Valley, arriving at 12.30 noon. After lunch collected from 1 till 4 P.M. then after "tea" came back to wood on W. slope of [illegible] between Kilbride & [illegible] & swept in ▽ between woods for 25 minutes, but too dry & little out here. Co. Wi.

At Athdown swept a little going down to W. side of footbridge & on both sides of river above fall, then up along S. side (left bank) along escarp to head of gorge (= 1): on way back swept more or less same ground but chiefly at fall (left bank) then on right bank under scrub near river, & down to rock wood below fort (= 2). [34 recorded from 1 & 25 from 2. [illegible] 30.10.42 at my. [illegible]]

Athdown, Co. Wi.

Nomada [illegible] 6 large ♂ at 1, [illegible] [illegible] ... [illegible] AWS 30.10.42.
[illegible] ♂ at 2.
[illegible] pictus ♀ at 1. Pachyneuron [illegible] ♀ at 1. pale [illegible]
Phygadeuon? ♂ at 2, ant. 20, [illegible] =
Hemiteles ♂ at 2, short areolar nerv., interstitial basal nerv., ant. 18 =

22.6.41, cont. Athdown, Co. Wicklow cont.

Pimpla [illegible] [illegible] ♀ at 2.
[illegible]
[illegible]
[illegible]
[illegible] ♂ at 2, [illegible] ♀ at 1.
Polyblastus? ♂ at 2, black femora, ant. 29 =
[illegible] ♂ at 2. [illegible] ♀ at 1.
Thersilochus ♀, ant. 22 at 1 =
Plectiscus ♀, ant. 20 at 1 =
[illegible] ♂ ♂ at 1, ant. 27. B. [illegible] ♂ at 2, ant. 2?
B. [illegible] ♀ at 2, ant. 30, [illegible]
B. [illegible] ♀ at 2, black, [illegible], ant. 30.
Rhyssa [illegible] ♂ at 2.
[illegible] ♂ at 2, ant. 22. [illegible] ♀ at 2.
Meloboris [illegible] ♂ at 2, ant. 26.
M. abdominator [illegible]. ♂, with small wings, & Δ 2nd cubital areolet in fore wings, which at first caused me to run it down as a species of Microtypus! Ant. 26.

Opius [illegible] ♂ at 1, [illegible] of [illegible] ♀ at 2. [illegible] ♂ at 1.
Adelius [illegible] ♂ at 2, with 50 [illegible] ant.

22.6.41, cont. Ashdown, Co. W., cont.

[illegible]

D. [illegible] ♂ at 2, ant. 28. D. [illegible] ♀ at 2, ant. 22, [illegible]

D. [illegible] ♀ at 2, ant. 22. D. [illegible] at 2, [illegible] 19-seg.

D. [illegible] ♂ at 2, ant. 20. D. [illegible] ♀ at 1, ant. 12 ([illegible])

D. [illegible] ♂ at 1, ant. 18. D. [illegible] ♂ at 2, ant. 16.

D. [illegible] 2 small ♀♀, ant. [illegible] 15 & 17-seg. D. [illegible] 2 ♂♂

at 1, [illegible] [illegible] [illegible] possibly not noted.

D. [illegible] ♀♀ at 2, ant. 22 [illegible]

D. [illegible] 2 ♀♀ at 1, 2 ♂♂ & 2 ♀ at 2, ant. 22, 26, 27, 27 & 27 seg.

D. ~~[illegible]~~ [illegible] group: a beautiful ♀ at 1, with 25-seg. ant.

D. [illegible] ♂ at 1, ant. 22.

D. [illegible] ♂ at 1, ant. 26.

D. [illegible] ♀ at 1, another at 2, with ant. 34 & 35 seg., both very fine specimens.

D. [illegible] small ♂ at 1, ant. 25, quite distinct [illegible]

[illegible] 3 (2 at 1, 1 at 2)

[illegible] 1 at 2.

22.6.41, cont. [illegible] W. foot of [illegible] ([illegible] P.O. [illegible]), Co. W. 5.30 pm.

Early [illegible] ♂.

[illegible] ? ♂ Only these mounted.

[illegible] ♀, ant. 22 = [illegible]

[illegible] longipennis? ♀, ant. 17 [illegible]

Orthostigma [illegible] ♀, ant. 20, with very [illegible] defined stig.

Aspilota of seminigosa ♀, with 17-seg. ant.

Dacnusa [illegible] ♀ [illegible] ant. [illegible] 22.

Opius [illegible] ♂, [illegible]

25th June 1941. After three fine days a depression arrived this morning with some rain & wind (S.W.) but cleared about 11 a.m., in afternoon so rode up to Glenasmole & found it almost quite dry & sheltered, with very small insects out. Swept till 4.30 along path after [illegible] & leaving [illegible] the [illegible] collecting for the day. Only [illegible] the [illegible]

Glenasmole, Co. Dublin. [illegible] 1 & 42 [illegible] mounted & [illegible] 1/11/41 [illegible] A.W.S.

1 = Plantation on W. side of lower reservoir from dam to hut, mostly nearer dam than hut: an area I hunt annually. work.

2 = under trees & by swampy place at "tunnel" (where pipe comes out of upper dam) & on verge below dam (i.e. from dam towards the road) & along both sides of dry water-channel beside tunnel [illegible].

25.6.43, cont. Glencoe, Co. Dn. cont.

Epitomus pygmaeus ♀ at 1. [For list of Braconidae see p. 318 →]

Phaeogenes fulvitarsis ♀ at 2.

Atractodes tenebricosus 2 ♀♀, not old.

Exolytus ♂ not old.

Cryptus abnormis [illegible] {not kept - except 1 ♂ from 1 (which =

[No Pezomachus seen!]

Pimpla turionellae 1♂ ! all the Pimplinae seen

Exochus — {♂ at 1, with black face 25 reg. not. runs to E. separandus Schmied. but ? that species. AWS. 9.11.43.}

Orthocentrus ~~[illegible]~~ Stenomacrus sp, 2 ♂♂. → {S. confusus very large at 1, end. 25. S. intermedius ? [illegible]}

O. [illegible] 2 ♂♂: one with pure 1 = Orthocentrus fulvipes?

Stenomacrus [illegible] [illegible] ♀ at 1, [illegible]

[No Stenomacrus [illegible] seen: first day for a long time]

Hemiteles pulchellus 1 red ♂: very highly coloured: at 1.

H. pallipes 2 ♀♀: not mounted.

H. [illegible] 1 fine ♀ at 1; end. 23; red [illegible] very large

H. punctipleuris sp. n. ♂ Type! at 1: [illegible] [illegible] [illegible] [illegible] [illegible] black & [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]; not. 21; [illegible] AWS. 9.11.43.

Promethes cognatus & pulchellus ♂ & ♀♀ respectively not kept.

Catoglyptus fortipes ♀ at 1.

Ctenichus, ♂♂ several: 2 mounted, [illegible], from 2.
= Bridiotes — ♂, [illegible] old.
& Ctenocera ♀, Hacked old.

25.6.43, cont. Glencoe, Co. Dn. cont.

Campoplegidea 7♂♂ & ♀♀: none kept.

Campoplex sp. large red ♀ at 1.

Mesochorus 2 [illegible] ♀♀ not kept.

[illegible] ♀ = [illegible] of [illegible] at 1.

Bracon [illegible] 2 black ♂♂, 1 kept from 1

B. [illegible] 2♀♀, 1 kept {[illegible]}

Rhogas 1♂ of [illegible] not kept

Apanteles 3 spp. 3 ♀♀ [illegible] from 1

= A. [illegible] [illegible] 15 A. [illegible] 18

Earinus [illegible] 1♀ at 1.

Calyptus [illegible] 3♂♂ at 1.

Clinocentrus vestigator 2♂♂ at 2.

Rhogas [illegible] 1♀ at 1, not old.

Syntretus [illegible] [illegible] ♂♂ at 1, not 21.

Eubadizon extensor ♂ & [illegible] ♀ at 1.

Euphorus pallipes 2 not kept.

E. [illegible] 1 at 1

Meteorus fragilis 1♀ at 1, end. 21

Microctonus [illegible] 1♂, 1♀, at 1, with [illegible].

Pygostolus sticticus ♀ at 1. ♂! Blacus longipennis ♀ at 1.

Microctonus [illegible] 1♀ at 1 & another at 2} Leiophron [illegible] ♀ at 2.

25.6.41, cont. Glenasmole, Co. Dn.

Opius cingulatus, irregularis & "apiculator" frequent. [illegible]

O. [illegible] with ♀ at 2, ent. 25 [illegible]. O. cf. [illegible] ♀ at 2.

O. pendulus ♂ at 1, ♀ at 2, ent. 19 & 20, respectively, [illegible]

O. [illegible] ♀ at 1, ent. 21. O. cf [illegible] at 1, ent. 20.

[illegible] ♂

Phaenocarpa [illegible] ♀ at 2. [illegible] ♀ at 2

Alysia tipulae ♀ 1♂ at 2

Aphaereta tenuicornis 1: not mounted.

Aspilota many spp.: nearly all kept, [illegible]

Aspilota fulvicornis Hal. [illegible] ♀ at 2, ent. 24.

A. [illegible] ♀, ent 19 at 1. A. [illegible] ♂ ([illegible]), ent 22, at 1.

A. [illegible] 1 at 1, 2♂♂ at 2 (all ent. 11, 13 & 16 resp.). A. [illegible] ♂ at 2, ent. 17.

A. [illegible] ♂ & ♀ at 1, 1♂ at 2, ent. 24, [illegible] & 26 resp.

A. vulgaris [illegible] ♂ at 1, ent. 21.

A. [illegible] ♀ at 1, ent. 23.

A. [illegible] ♂, ent. 25, at 2.

A. ([illegible]) [illegible] ♀♀ at 1, ent. [illegible]

A. ([illegible]) [illegible] several ♂♂ at 1 & 2: [illegible] 1, ent. 21.

25.6.41, cont. Glenasmole, Co. Dn., cont.

Dacnusa [illegible] 1♂ at 1, [illegible] ent. 25–[illegible]

D. [illegible] 1♂, D. [illegible] frequent.

D. [illegible] & [illegible] ♂♂ & ♀♀ frequent.

D. [illegible] {1♂, 1♀ at 1, ent. 27 & 18; [illegible] at 2 [illegible]} D. [illegible] at 2, ent. [illegible]

D. [illegible] 1♂ at 2. D. [illegible] ♀ at 1, ent. [illegible]

D. [illegible] 1 not kept. {[illegible]}

D. [illegible] ♀ at 1, ent. 33.

D. [illegible] ♀ at 2, ent. 33. {D. [illegible] ♂ at 2, ent. 35.

D. [illegible] ([illegible]) [illegible] at 1 [illegible] ♀ at 1, ent. 36. [illegible]

D. [illegible] ♀♀ at 1 (ent. 22 & 24); 1 small ♀ at 2 (ent. [illegible] 20)

Coelinius 2♂♂, [illegible] ♂♂ (ent. 50 & 53) & the ♀ (ent. 33) [illegible]

Ephedrus plagiator 1♂ at 1, not kept.

Aphidius 2♂♂, 1♀ only: 1♂ kept = cf. A. [illegible] Hal. at 1 [illegible]

Praon not common [illegible] kept. [illegible]

For [illegible] P.T.O.

25.6.41, cont. Glenasmole, Co. Dn. cont.
Bombus derhamellus ♀ seen also.
B. agrorum & lucorum wkg ♀♀ seen.
Psithyrus campestris ♀♀ of both sexes seen.

[illegible]. 1 ♀♀ frequent: wkg ♀ & ♂ caught.
10♂, 8♀♀ from 1 ♂♀ from a nest, presumably all came from i.e. [illegible] [illegible]

Sawflies rare.
Tenthredo "sulphuripes" 2♀♀, T. mesomela ♀♀
T. livida ♂♂ & Rh. viridis seen
T. [illegible] ♂♂ & 1 newly hatched ♀
Athalia spp. seen.
[illegible] [illegible] ♀ caught also.

[In garden Harold's Cross, Dn. 25.6.41, 8 P.M.
1 very worn ♀ Bombus agrorum seen at foxglove]

Notes of insects seen or taken in garden June 41/42
114 Clareville Rd., Harold's Cross, Dn.

25th June. ♀ of Bombus jonellus seen on flowers of Thyme in front garden
29th Red Admiral butterfly seen on flowers of Candytuft in front garden
♀ of Bombus lapidarius seen in back garden.
28th. Bombus lapidarius ♀ seen in garden, with yellow stripe of pollen on mesonotum (presumably off Snapdragon flower)
8th July Some ♀ Bombus hortorum in garden
1st 8th July Megachile centuncularis & willughbiella ♀♀ frequent in back garden; on 8th, in evening, one ♂ willughbiella at [illegible] yellow flower.
8th 9th During night of the period 10 Hylaeus communis & 1 Chrysis ignita spent night in front holes, at least only these seen at 9 a.m. on 9th. One of holes in front seat wood apparently filled & sealed as was one last year (? by Hylaeus).
28th June. [illegible] of [illegible] ♀
[illegible] [illegible] ♂

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29th June 1941. The third excessively hot day (a damp heat!) in succession therefore did not go out till 7.15 P.M. & then rode along Grand Canal & collected a few insects by tow path (SE side of canal) below Clondalkin & many ¼ mile above the bridge at that place (some by side of canal where a belt of reed swamp occurs above 2 locks & most along parallel drain beside & below this).

Grand Canal bank, near Clondalkin, Co. Dn.
8 till 9.30 P.M. [illegible]

Dolichopus palustris 1♀ swept off Equisetum above locks.

Cryptids a few, including Aetractodes tenebricosus ♀ & a 2nd sp (not kept), & Idiolispa analis ♀.
Polyblastus ♂, red abd., black [illegible]
Glypta [illegible] fortipes ♀, not kept.
Hepiopelmus [illegible] ♂
Campoplex small red sp.

[illegible] ♂ [illegible]

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29.6.41, cont. Canal, Clondalkin, Co. Dn., cont.
Bracon sp. [illegible] ♀, ant 26.
B. sp. [illegible] 2♂♂ [illegible] ♀, ant 29.
Rhogas irregularis frequent, some swept [illegible]; ♂ & ♀ obd.
Apanteles 1 black legged ♂: not kept.
Chelonus ? [illegible] 1♀, ant 22.

Euphorus orchidae ♀, ant 22.
Meteorus cinctellus 2♀♀, ant 26 & 28.
Macrocentrus [illegible] ♀.
Opius spinulator? frequent [illegible] not kept.
O. exilis Hal? [illegible] ant 27.
O. exilis Hal? smaller, [illegible], ant 26, [illegible]
O. pendulus ♀, ant 20.
Phaenocarpa rufipes 1 small ♀, with almost black head. not obd.
Ph. picinervis 2♂♂ not obd.
Dacnusa a [illegible] group [illegible]. D. [illegible] ♂ & ♀ both ant. 31
D. [illegible] Nixon 2♂♂ [illegible] A.W.S. 14.11.1943.
D. sp. [illegible] group, but [illegible]
Coelinius sp. of Sligo 2♂♂
Chaenusa conjungens 1♀
Monostoma carici? ♂ & a few other [illegible] (not obd.)

2nd July 1941. Very hot, mainly windless, dull & very close, with an occasional breeze from [illegible] quarter & sunbursts.

Rode to Glenasmole, Co. Dublin, in afternoon & swept in the following places:-

1 around the sun-trap on W side of lower reservoir (northern end of same: i.e. towards [illegible])

2. Flat at head of upper reservoir.

3. Under trees near head of east & on ~~[illegible]~~ stone at boat house, near dam.

4. Under trees, both sides of path between gate at spill-way of upper dam & short-cut to foot bridge.

5. Below upper dam (at west end of same), under trees & around marsh, near exit tunnel.

Bombus lucorum & agrorum a few ♀♀ only seen.

B. hortorum 1 ♀ seen

Psithyrus campestris both dark & pale vars. 2 ♀♀ seen

Tenthredella livida & mesomelas ♀♀ at 1

T. sulphuripes ♀♀ frequent

Amet. equiseti 1

Fenella nigrita 1 ♀ at 2

5♀ from 1 [illegible], 20 from 2, 7 from 4 & 9 from 5
29 from 3,
& these labelled 17.11.43 at [illegible]!

2.7.41, cont. — Glenasmole, Co. Dublin, cont.

[illegible]: [illegible]

Ichneumon: large black & yellow ♂ seen: 1st of year!

Cryptids: about a dozen: 7 mounted, as follows:-
Large black ♂, white face, [illegible] at 3.
[illegible] ♂ at 1, [illegible]. [illegible] ♂ & ♀ at 1
[illegible] ♀ at 1, [illegible] =
[illegible] of black ♀ at 2, [illegible] =
Stilpnus gagates ♀ at 3.

Glypta [illegible] ♂, very red, at 2: not mounted

C[illegible] ♂ at 1.

Promethes sulcator ♂♂ frequent at 2, 5: not mounted

Stenomacrus [illegible] 1 ♀ only seen all day: not mounted.

Mesoleius 2 ♂♂ at 1

do. ♀ at 4.

Polyblastus 1, at 1, red femora, cut 26.

Mesochorus 1 ♂ only, reddish [illegible]: not mounted

Campoplegidae. a few: only one mounted

= Casinaria ♂ at 2.

Hemiphanes 1 ♂ at 3, cut. 26.

2.7.41, cont. Glen[illegible], DU, cont.

Bracon sp. nr. gallicae, but with larger tubercles, ♂, ant. 30; ♀ [illegible] ant. 31.
B. sp. ♀ at 4, very like last, but [illegible] narrower, ant. 25.
B. sp. ♀ at 2, very [illegible] [illegible] [illegible], ant. 21.
B. sp. ♀ at 2, [illegible] [illegible], ant. 24, [illegible] [illegible].
B. [illegible] ? 2 [illegible] ♀ at 4, ant. 23
B. sp. nr. [illegible] : ♂ at 4, with lightly coloured legs & [illegible], ant. 21
[illegible] [illegible] : a very small ♂ at 2, ant. 20.
[illegible] [illegible] : ♂ at 3, ant. 25.
Rhogas [illegible] ♀ at 1, ant. 46. R. [illegible] a fine ♀ at 2, ant 47.
R. sp. [illegible] ♂ at 1 & another at 3, both with 39-seg. ant.
Sigalphus [illegible] ♀ at 3. Chelonus [illegible] ♀ at 2, ant. 16.
Apanteles [illegible] ♀ at 1. Euphorus pallipes 2 ♀♀ at 2, ant. 22.
Meteorus [illegible] ♀ at 1, ant. 31. M. fragilis ♀ at 5, ant 31.
M. abdominator ♀ at 2, ant 32. M. sp. ? [illegible] ♀ at 2 ant. [illegible]
[illegible] sp. [illegible] ♂ at 3. Macrocentrus sp. [illegible] ♂ at 2.
Opius [illegible] Hal. ♀ at 1, ant. 25. O. sp. [illegible] ♂ at 1, ant [illegible]
[illegible] [illegible] 5 ♂♂ at 1
Aspilota (s.l.) [illegible] all at 1: — [illegible] as follows —
A. sp. [illegible] ♂ at 2, ant 18. A. sp. [illegible] ♂ at 3, ant 20.
A. sp. [illegible] ♂ at 1, ant 18. A. [illegible] ♀ at 1, ant 22, ♂? at 5, ant 21
A. [illegible] : a small ♂ at 1, with traces of [illegible] & 17-seg. ant.
A. [illegible] {2 ♀♀ at 1, ant. both 17/18. 1 ♂ at 3, ant. 20.} A. [illegible] : a small ♀ at 1 ant. [illegible] also a ♂ at 5, ant. 21 15/16
A. [illegible] ? ♂ at 1, ant. 24, another ♂ at 2, ant. 24.
A. sp. [illegible] Th. ♀ at 1, ant. 19. A. [illegible] ? ♀ at 3, ant 19.
A. [illegible] ♀ at 1, ant. 23, also a ♂, ant 26 & another ♂ at 3, ant 24 [illegible] ? [illegible]
A. [illegible] ? 3 ♂♂ at 1, ant. 23, 25 & 26; 1 ♂ at 3, ant. 2[illegible], I think belong to this [illegible] [illegible]

3.7.41, cont. Glen[illegible], DU, cont.

Aspilota (Synaldis) [illegible] ? 2 ♂♂, [illegible], at 3, both ant. 21.
A. (S.) [illegible] ♀ at 3, ant. 17.
Dacnusa [illegible] 27 [illegible] as follows: —
D. sp. [illegible] ♂ & ♀ at 1, ant. 33 & 31 respectively.
D. [illegible]
D. [illegible] ♀ at 4, ant [illegible]
D. [illegible] : 2 ♂♂ 1 ♀ at 1, ant. 39, 40 & 37. 2 ♂♂ 1 ♀ at 3, ant. 34, 37 & 36. Also 1 ♀ at 5, ant. 36.
D. [illegible] ♀ at 1, ant. 32. D. [illegible] a [illegible] ♂ at 1, ant. 27.
D. [illegible] 2 ♂♂ ♀ at 2; ant. 23, 23 & 22. 2 ♂♂ at 3, ant. 25 & 25. D. [illegible] a fine ♀ at 4, ant. 24.
D. [illegible] a [illegible] ♀ at 2, ant. 29. D. [illegible] a small ♂ at 3, ant. 26
D. [illegible]. 2 ♂♂, 1 ♀ at 2, ant. 26, 30 & 24; ♀ at 4, ant. 31
[illegible] : 1 ♀ at 3, ant 28; a large & a smaller ♀♀ at 5, with respectively 35 seg. ant. (in the case of the larger) & 29 (of the smaller); also a ♂ at 2 (ant. 42) which may belong to this sp. or [illegible] Sleg.

Toxares deltiger ♂ at 3, ant. 32.
[illegible] — only mounted 5 from 1, 1 from 3 & 2 from 5.

4.7.1941. Taken in house at light, 11 p.m. 14 [illegible] Rd., [illegible], DU.
Aspilota [illegible] ♂, ant. 18/19.
A. [illegible] ♀, ant. 19.

6th July 1941. A dull warm day with slight rain at 4 P.M. & [illegible] rain [illegible] in about 6-15 P.M. On duty in museum in afternoon! Left tea [illegible] rode to Clondalkin & [illegible] up canal & collected along 3rd lock above bridge at Clondalkin station. Most insects swept along hedge & parallel drain SE side of canal & a very few [illegible] along canal itself, where the big Glyceria bed is, as wind (S-W) too strong in open. Drizzle drifted then rain came on at 8.15.

26 specimens mounted & stored [illegible] labelled [illegible] 23/11/43 ANS.

Clondalkin, Co. Du. 6-30 – 8.15 P.M.

Dolerus palustris ♂♂ & ♀♀ swept along ditch & canal

Rhogogaster [illegible] swept along ditch: probably [illegible]

Tenthredo [illegible] ♀ & T. [illegible] ♀.

[illegible] of [illegible])

[illegible] ♂

Tryphon [illegible] ♂

[illegible] ♂ & another Campoplegine

= Cryptus ? ♀, [illegible]

("abnormally coloured") =

Bracon of [illegible] ♀, [illegible]

Euphorus [illegible] ?

7.7.41. Collected many Lep. larvae [illegible] from [illegible] plants [illegible] at Clondalkin [illegible]

6th July 1941, contd. Clondalkin, Du., contd.

Perilitus [illegible] ♂, ant. 23.

Meteorus [illegible] ♀.

Bracon [illegible] ♂, with 20 seg. ant.

Opius [illegible] ♀, ant. 22 seg.

[illegible] ♀, ant. 19.

Campoplex [illegible] ♂ (ant. 20) & ♀ (ant. 18).

G. [illegible] ♂, ant. 18.

Dacnusa [illegible] ♀ [illegible], with 30, 31 & 31 seg. ant. [illegible]

A.N.S. 24.11.43

Trimorus ? of [illegible] ♀, [illegible]

[illegible] ♀, [illegible]

Aphidius of [illegible] ♀, [illegible]

Chalcid with [illegible] eyes =

Mosquito: = Aëdes ♀ (? [illegible]) [illegible]

7th July 1941. ♀♀ [illegible] bred from fungus, Polyporus squamosus taken on timber at Clontarf Yacht & Boat Club, Dublin, by E. O'Mahony.

9th July 1932. A very fine day, [illegible] had a sunny [illegible] strong SW wind, after a wet day on 7th (the first raining day for a long time) & a fine day on 8th. Insects very scarce in morning, & only a few by sweeping out in afternoon. Rode to Leixlip, KD, & arrived at canal at 11.30 a.m. Swept slope from bridge to Rye Water on W side of canal (=1) before lunch, 11.30 till 1 p.m. After lunch went along canal for ½ mile & swept side of same & along towpath especially where [illegible] & under trees (=2); then climbed into walled plantation & swept under trees inside same (=3): only at 3 were insects at all common.

Royal Canal E & W of main road at
Leixlip station, Co KD.

[On return journey saw two [illegible] [illegible] of hill from [illegible] & the other [illegible] going up hill from Clondalkin]

[illegible] but I do not think I saw [illegible] [illegible] any other bees.

{[illegible]}

---

9. 7. 1932, cont. Leixlip, KD, cont.

[illegible] 2♂♂ swept at 2: [illegible].

Spilomena troglodytes 1♀ swept at 3 [illegible]

[illegible] 1 swept off vegetation for a [illegible] of path at 2.

Dryinidae. 5 & 6 = Anteon [illegible] ♀ at 2, [illegible]

Anteon ♂ at 1.

Bethylus [illegible] 1♀ at 1.

Sawfly Selandria flava at 1.

[illegible] 1♂ at 1 =

[Nothing at 1 with sweep]

Cryptinae: about a dozen [illegible]

Stilpnus gagates 3♂♂ at 3: [illegible]

S. [illegible] 1♀ [illegible] Phygadeuon? [illegible]

Pezomachus 1♀ at 1. Hemiteles? [illegible]

[illegible] 1♀ at 1.

[illegible] at 1, [illegible] =

Acrodactyla degener 1♀ at 1 swept

Pimpla [illegible] 1♀ at 1

P. melanacrias ♂ at 2.

P. [illegible] 1♀ at 2.

Phytodietus 1♀ at 2

Glypta [illegible] 1♀ at 2 [illegible]

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Q. 7. 41 cont. Lindsley, N.D. cont.

[illegible] [illegible] ♂, [illegible] ♀ at 2.
[No [illegible] ♀ 2 [illegible] Homonoidea, [illegible] [illegible]]

[illegible] of [illegible], ♀ at 2 =
M. of [illegible], ♀ at 1, [illegible] ♀ at 3 =
Sycholater [illegible] 2 ♀ [illegible] at 1

[illegible] ♀ at 2, [illegible] ♀ =
[illegible] [illegible] [illegible] [illegible]
[illegible] 3 ♀ at 1, [illegible]

[illegible] ♂ at 3.
[illegible] 2 ♀ at 1 [illegible] 34 & 35 [illegible] [illegible]
=

[illegible] ♂ at 2
[illegible] ?? 2 ♂ at 3.
[No [illegible] [illegible] [illegible]]

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Q. 7. 41 cont. Lindsley, N.D. cont.
[illegible] [illegible] [illegible] [illegible]
B. [illegible] [illegible] at 2, [illegible]
B. [illegible] [illegible] [illegible]
B. [illegible] at 2, [illegible] 33.

Rhyacia [illegible] ♂ at 2.
[illegible] lanceolata ♀ at 1, [illegible].

[illegible] [illegible] 2 ♂, at 1. [illegible] [illegible]
[illegible] 2 or 3 ♂ ♀, 1 [illegible] = [illegible]
[illegible] [illegible] [illegible] at 1, [illegible] 32.
[illegible] 1 ♂ ♀, at 1 = [illegible] [illegible], ♂, [illegible] 33.
Rhagium [illegible] ♀ at 1, [illegible] [illegible]
=
[illegible] ? ♂ at 3, [illegible] 34.
[illegible] [illegible] 1 ♀ at 2, [illegible] 33 [illegible] [illegible]
♀ of ? [illegible] [illegible], [illegible] [illegible] [illegible]
[illegible] [illegible], [illegible] [illegible] [illegible] at 1, [illegible]
[illegible] [illegible] 2 ♂ ♀ at 2
[illegible] [illegible] 1 ♀ at 3, [illegible] 33. [illegible] [illegible]
[illegible] [illegible] ♀ at 3
B. of [illegible] ♂ at 3.

9.7.1941, cont. Leixlip, KD. cont.

[illegible] [illegible] 1♂ not kept.

Ophion [illegible] 2♂♂ at 3.

O. [illegible] ♀ at 3, ent. 22.

O. [illegible] ♀ at 1, ent. broken

Ich.

[illegible] [illegible] 1♀ with [illegible] at 2, ent. 24.

[illegible] [illegible] ♂ at 1.

Phaeogenes [illegible] 1♂ at 3: not kept.

[illegible] [illegible] 1♀ at 3, ent. 49.

[illegible] [illegible] 1♂ at 2 or 3: not kept.

Orthocentrus [illegible] 1♂ [illegible]

[illegible] [illegible] [illegible] ♀ at 3.

G. (O.) [illegible] ent. 2♀♀ at 3.

G. [illegible] 1 small ♀ at 3, ent. 22

G. [illegible] ♂ ([illegible]) at 3, ent. 31.

G. [illegible] ♀ at 3, ent. 16.

G. [illegible] 1 small ♀ at 3, with [illegible] only 10 [illegible], but [illegible] [illegible] for [illegible].

[illegible] [illegible] [illegible] : several, none kept.

D. [illegible] ♂ at 1, not taken, [illegible]

D. [illegible] ♀ at 1, ent. 33.

D. [illegible] ♂ at 1, ent. 37, very like 3 ♂♂ [illegible] [illegible] [illegible] D. [illegible] [illegible] on 6.7.41: see p. 327 [illegible]!

9.7.41, cont. Leixlip, KD cont.

D. [illegible] ♀ at 1, not taken. D. [illegible] ♂ at 1, ent. 36.

D. [illegible] [illegible] [illegible] ent 34 [illegible]

[illegible] [illegible] 1♂ at 1, ent. 45.

Ephedrus plagiator 2♂♂ at 3: not kept.

[illegible] [illegible] 8 + 9: only kept 3♀♀:

[illegible] [illegible] ♀ at 1, ent. 20.

O. [illegible] ♀ at 2, ent. 19.

Proctos. frequent: kept 10 (5 from 1; 3 from 2 & 2 from 3)

Cynipids common: kept only 1, not abd. from 1.

Chalcids common: kept 4 (2 from 1 + 1 each from 2 & 3)

Hemiptera. [illegible] at 2

Beetles. Donacia sp. very common along edges of canal. Tiny little beetle (= [illegible] [illegible]) taken (with [illegible] at 3).

Diptera. 2 Stratiomyids taken: = [illegible]

10.7.41. Hemiptera ♀, very tired, taken at light at 11 P.M. in house, 14 Clareville Rd., Harold's Cross, Dublin, by A.W.S.

13th July 1941. The second dull, misty day in succession after a wet one on 11th, but no rain until 8.30 P.M., then [illegible] formed & large rain drops fell in places over Dublin. As George at Larne for week end (returned by 6 P.M. train to Belfast) did not go out till 5.15 P.M. then rode (alone) to Clondalkin & collected beside Grand Canal above 3rd lock above bridge near Clondalkin station. All on S.E. side of canal! All Co. D4.

1 = patch of reeds &c in canal (SE bank) not far above locks.

2 = parallel drain & bank of canal between tow-path & fields at same place.

3. = fields at same place, canal side for mile further up at gate to farm (where reeds), rank grass & beside canal, at two places (one at gate) &c.

(i.e. third) [illegible]

Grand Canal side, above Clondalkin, Co. D4.
6.0 till 8.15 P.M.

Bombus muscorum, lucorum ♀♀ seen, but very rare.

[No sawfly seen or swept]

Ichneumon: large black & yellow ♂♂ seen. [illegible]

Ichneumon ♀, near to castaneus, but [illegible] at 3 =

13.7.41, cont. Clondalkin, D4, cont.

Cryptids about a dozen: only a few (5) kept:

Atractodes tenebricosus ♀ & red ♀ ♀ not kept.

Stilpnus gagates 1: not kept. Phygadeuon [illegible]

Pezomachus [illegible] ♀, large [illegible] [illegible]

[illegible] 3 at 3. [illegible]

Glypta ceratites 1♂: not kept.

Pimpla examinator 1♂: not kept.

Clistopyga rufator 1♂ at 1.

Cteniscus [illegible] 1♂ at 1: not kept.

[illegible] 2 ♂♂, 1♂ at 2, at 3.

Mesoleius ♀ [illegible] at 2, [illegible] at 2. M. [illegible]

Mesoleptus [illegible] ♂ at 2; [illegible] not red

Perilissus [illegible] ♂ at 3.

Promethes [illegible] at 3, [illegible]

Polyblastus [illegible] ♀, [illegible] taken in reeds at 3.

Campoplegids 7 or 8 (4 kept).

Canidia [illegible] at 1, one ♀ at 2, ♀ at 3, [illegible] 19-20.

[illegible] ♀ at 3, [illegible] 27 =

Mesochorus 1♂, [illegible] + 28, at 3.

Helictes 2♂♂ not kept.

13.7.41 cont. – Clondalkin, Du., cont.

Bracon [degenerator 1♂: not seen other lately, 1943 [illegible] A.W.S.]

B. anthracinus 2♂♂: not kept. B. [illegible] ♂ at 1, ♂ at 2 kept, ent. 29.

B. variator ♂ at 1, ent. 27. B. epitriptus ? [illegible], ent. 28.

B. [illegible] 2 ♀♀ at 1, ent. 28 & 31.

B. [illegible] ♂ at 1, ent. 38.

Oncophanes 3 ♀♀ (1 at 2 & 2 at 3) = O. minutus ?

[illegible] [illegible]: a very perfect ♀ at 2, ent. 28.

Clinocentrus [illegible] ♂ at 3.

Rhogas irregularis ♂♂ & ♀♀ common: not kept.

Sigalphus pallipes ? ♀ at 3.

S. floricola ? 1♀ at 2.

Apanteles only a few: only kept the following 2: –

A. [illegible] [illegible] (♀ at 1)

A. ♂, [illegible] at 3 =

Euphorus [illegible] [illegible] at 3.

Perilitus [illegible] 1♂ at 3, ent. 32.

Meteorus cinctellus 1♀ at 2, ent. 30. M. [illegible] [illegible]

Blacus [illegible] ♀ at 3.

Opius [illegible] ♀ at 1, ent. 27.

O. [illegible] a very small ♀ at 3, ent. 33.

13.7.41, cont. Clondalkin, Du., cont.

Opius "apiculatus" common at 1, 2 & 3: not kept.

O. [illegible] a very small ♂ at 3, ent. [illegible], but [illegible]

O. pallipes ? ♀ at 2, ent. [illegible], [illegible]

Phaenocarpa cf. [illegible] ♂ at 3, ent. [illegible]

Ph. [illegible] 1♂ at 2, ent. 21. [illegible]

Pentapleura pumilio ♂♂. P. angustula a very small ♀, not kept.

Aspilota: only a few & all kept: — A. nitens ? a small ♀ at 3, ent. only 19.

A. [illegible]: a very small ♀ at 2, ent. 16. A. [illegible] ♂ at 1, ent. [illegible]

A. (?) [illegible] ♂ at 3, ent. 27, head [illegible], [illegible]!

A. (S.) [illegible] sp. n. ♀ at 3. Type! [illegible] A.W.S. 4.12.1943.

Dacnusa areolaris, longiradialis, frequent, all not kept (1 small ♂ kept from 2, ent. only 21)

D. [illegible] Nix. ♂, 2♀♀ at 1; 2♂♂, 1♀ at 2; 3♂♂ at 3, ent. 30 to 33.

D. sp. near [illegible] ♂ at 3, ent. 24. D. [illegible]: a fine ♂ at 2, ent. 32

D. obesa ? ♀ at 1, ent. 28, large ♂ ? at 2, ent. 31. dark stigma.

D. sp. near melanocera: ♂ at 3, ent. 36. D. [illegible] ♀ at 3, ent. 31.

[illegible] conjungens ♂ at 3.

Coelinius [illegible] Sligo ? a large ♀ at 3 (? out of spiders web, one wing missing!), ent. 32

Aphidius frequent: the following 2 only kept =

A. cirsii Hal. ? ♀ at 1, ent. 18.

A. [illegible] ♂ at 1, ent. 20.

Proctotrupes frequent: only kept 4 from 2 & 3 from 3.
Brongniarti ♂ at 2.

P.T.O.

Chalcid. 1 from 1 &

Diptera (Gnat) 1 from 2

13.7.41, contd. Clondalkin, Co. Dn., contd.

13.7.41 afternoon. 3 P.M.
Garden, 14 Clareville Rd., Harold's Cross. D.4
taken with sucker or seen: no sun!
Currant Clearwing Moth & Meadow Brown Butterfly.
Megachile willughbiella 1♂.
Odynerus parietum 1♂
Chrysis ignita very small ♂ taken.
Crabro varius in dozens.
C. clavipes ♂ seen.
C. leucostomus frequent.
Bombus hortorum ♀♀ at foxgloves
B. agrorum & lucorum ♀♀ seen.
Homocidus ornatus ♂♂ & H. nigritarsus ♂♂ examined
Mesoleius ♂, reddish abd., ant: 34.

Ledg. [illegible] ♀ (variabilis / fide RCLP

13.7.41 aft. contd. Garden, Harold's X., D4 contd.
Eristalis [illegible] ♀.

Alysia manducator 1♀.

15th July 1941. Some flies (♂♂ & Dacnusa ♀) emerged from thistle or [illegible] artichoke leaves collected in M.S.D. [illegible]'s garden at Clonskeagh, D4, on 7th July previously, but a mystery surrounds the Dacnusa in a card of label thus written "Dacnusa ♂ parasite of flies Clondalkin, 13.7.41." Now, 9. Dec. 42, I must conclude that I [illegible] in 1941 that the flies came from the artichoke leaves, but that the Dacnusa came from the sucker I had used the day previous at Clondalkin & hence it had no connexion with the flies. A.W.S.

The Dacnusa is very green & has green thorax [illegible] [illegible] [illegible] : [illegible] I may come near [illegible] [illegible] [illegible] [illegible], it [illegible] [illegible] D. [illegible] [illegible] & [illegible] it in line with the [illegible], with [illegible] [illegible]. It has 25-seg. antennae.
A.W.S. 9.12.42.